



PMDC
PAKISTAN MINERAL DEVELOPMENT CORP.

Head Office

Plot No: 13, Sector H/9, Islamabad 44000,
Pakistan.
Tel: 9265123-24
E-mail: info@pmdc.gov.pk
www.pmdc.gov.pk

Invitation of E-BID

Pakistan Mineral Development Corporation is an autonomous corporation under the administrative control of Ministry of Energy (Petroleum Division), Government of Pakistan invites electronic bids from the interested Parties/contractors having valid registration with PEC (Pakistan Engineering Council) in Category C-4 having building Codes (CE-09, CE-10, EE-04) & Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for **Construction of Officers Bachelors Hostel at PMDC Salt Mine Warcha.**

E-Bidding documents containing detailed terms and conditions, method of procurement, bid security, opening of bid, etc. are available electronically and can be downloaded from EPADS-PPRA Website: <https://eprocure.gov.pk> free of cost.

The electronic bids, prepared in accordance with the instructions in the bidding document along with bid money **Rs. 900,000/-** in the shape of demand draft/pay order from Schedule Bank in the name of Pakistan Mineral Development Corporation on account of bidder must be submitted by using EPAD on or before **04.06.2026 at 11:00 AM**. Tenders will be opened on EPAD on the same date at **11:30 AM** in the presence of participants who may desire to attend the tender opening.

Note:-

1. Original Bid Security Instrument Must be submitted to undersigned, before the online submission deadline of the bid; otherwise, respective bid will not be opened.
2. In case of any technical difficulty in using EPADS, prospective bidders may contact PPRA Office, 1st Floor, FBC building Sector G-5/2, Islamabad. Contact Number 051-111-137-237.

AVP (Procurement)
PMDC Head Office, H-9/4, Islamabad
Phone: 051-9265128
E-mail: dgm-pro@pmdc.gov.pk





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**Tender Enquiry No. Ref: No. PMDC/Pro/Civil Works/Warcha/
DUE FOR OPENING ON: 04.06.2026 AT 11:30 AM**

Electronic bids are invited from the interested parties/contractors registered with PEC (Pakistan Engineering Council) in Category C-4 having building Codes (CE-09, CE-10 & EE-04) & Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for following works at PMDC Salt Mine, Warcha, as per BOQ/Technical Specs given below :-

SUMMARY OF COST

Sr. No.	Detail of Works	Total Cost in PKR (inclusive of all taxes)
<u>01</u>	Construction of Officers Bachelors Hostel at PMDC Salt Mine, Warcha. Specifications/Bill of Quantities as per Annex - A	

GENERAL TERMS AND CONDITION:

1. Electronic Bid must be submitted on EPAD on or before **04.06.2026 at 11:00 AM** which will be opened on the same day at **11:30 AM** in the presence of tenderers or their representatives who desire to participate.
2. Bid Money as per following detail in the form of pay order/demand draft made in the name of Pakistan Mineral Development Corporation on account of bidder from any scheduled bank shall accompany the bid/tender. Tender with less or without bid money (in the form of pay order/demand draft) or pay order/demand draft without the name of bidder shall not be considered:-

Sr. No.	Detail of Works	Bid Security
01	Construction of Officers Bachelors Hostel at PMDC Salt Mine Warcha.	Rs.900,000/-

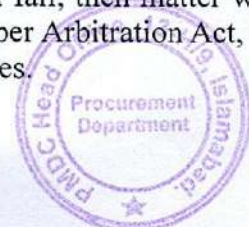
3. Successful tender will be required to deposit security money @ 10% of the total value and bid money already deposited will be converted into security deposit while balance amount shall have to be deposited to maintain the Security deposit @ 10% of the total value which will be refunded after successful completion the DLP.
4. The successful bidder shall be required to furnish Integrity Pact if applicable, as per PPRA Rules.



5. Bidders meeting the required all mandatory required documents and relevant experience, will be considered Technical responsive among the technical responsive bidders the contract will be awarded to the bidder offering the lowest evaluated price.
6. The rates should be quoted in PKR and should be inclusive of all applicable/prevaling taxes. Any increase in taxes at any stage shall not be considered.
7. The rates, prices and amounts shall be entered against each item in the Schedule of Prices/BOQ. Any item against which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.
8. Interpretation of the PMDC regarding the tendered rates in case of any discrepancy regarding unit rates and total amount shall be final.
9. Escalation of cost at any circumstances will not be permitted.
10. **Bidders are requested to visit the sites before quoting rates.**
11. The bidder will be responsible to carry out the works as per detailed mentioned in BOQ and the payment to the contractor shall be made on actual work done.
12. All the materials, equipment's, workmanship, and installation practices used in civil works, electric works, plumbing works etc. strictly conforming to relevant standards, latest editions, as applicable and the respective material etc. shall be unused, of highest quality.
13. Only Two Running Bills/ Interim Payment will be applicable against the work done. The Running Bill should not be exceeding 30 % of the total Cost of the project.
14. The Project Manager/Engineer may request samples of material to be installed in order to check its quality for approval purpose.
15. The quantity can be increased (up to 15% of the total contracted quantities/ contract price) or decreased during the period of the contract at the sole discretion of PMDC without any prior notice to contractor.
16. No extra item shall be allowed to be executed without written orders from the concern Project Manager.
17. Concern Project Manager shall reserve the right to add/ delete any item from bill of quantities and the contractor will be responsible to execute any extra item required at site to complete the work and the payment for the same shall be made on mutually agreed rates.
18. The Water Charges will be deduct @ 1% of the contract price and Electricity charges will be deduct as per prevailing per unit rate to the consumed units from every bill submitted by the contractor as per rule.
19. The Contractor shall be responsible to make complete arrangements for the transportation/storage/security of the material etc. and the security/stay of his staff/workers.
20. Any damages to PMDC assets, HR of whatsoever nature shall be completely borne by the contractor.
21. The contractor shall execute works in a manner that daily operations/works of PMDC may not be affected.



22. Bids should remain valid for a period of 90 days from the date of opening of tenders. In case no specific date of validity is mentioned in the offer, it will be presumed to be valid for a period of 90 days from the date of opening of tender.
23. If the contractor fails to fulfill the contractual obligations of the contract, then the Security deposit will be forfeited.
24. All taxes will be applicable/deducted as per prevailing Government rules.
25. Firm/Contractor should be of sound financial health and shall provide Bank statement covering last 12 months (from the date of submission of bid).
26. Firm/Contractor must provide a list of the construction machinery and equipment available with the tenderer.
27. The Firm/Contractor should have 03 years' experience in relevant Project/ work with Govt. departments and other organizations/companies. Proof of relevant experience/work order as well as satisfactory completion certificates should be attached.
28. The tender for the supply / work will be completed / delivered at PMDC Salt Mine, Warcha.
29. Completion time period of project will be 08 months. In case of delay, LD Charges @ rate 0.10% of total contract value will be applied per day upto 10 % of Total Contract Value.
30. Defect liability period (DLP)/warranty is 12 months, which will be start from the issuance of completion certificate.
31. If the Supplier/Contractor, having been notified, fails to remedy the defect(s) within the specified period, PMDC may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense.
32. The successful Bidder will have to execute a contract within the specified time, Final Bill Payment will be made after satisfactorily completion work as per specification and on submission of the bill in duplicate along with satisfactory completion certificate/ report whereas security deposit/ Retention Money will be disbursed after expiry of DLP/warranty period which is 12 Month from the date of completion of project..
33. The authorized representative of the bidder/bidding firm will only be allowed to sit in the tender opening on presentation of authority letter from the bidder/bidding firm issued in favor of representative to participate in the specific tender.
34. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not be under litigation with PMDC in any local or foreign court law.
35. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not have any ongoing, under resolved business dispute with PMDC, PMDC shall be sole judge of fulfillment of this requirement.
36. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not have any direct or indirect conflict of interest with the procuring agency.
37. In case of any dispute regarding this purchase order/assignment, the same will be resolved between the relevant parties through negotiations. If negotiations shall fail, then matter will be referred to the Arbitrator. The MD, PMDC will act as sole Arbitrator as per Arbitration Act, 1940. Decision/award of Arbitrator will be final and binding on the both parties.



38. The tenderer/supplier shall appoint a representative at the project and furnish his postal address and contact number to PMDC. Any notice to be served on or document to be signed by the contractor shall be either delivered personally or through the representative and in case it is not possible it shall be treated to have delivered if it has been mailed by registered post on the Postal Address of the representative.
39. PMDC Reserved the right to accept or reject the tender of the tenderer at any time without assigning reasons and cannot be challenged in any court of law.
40. The tenderer/supplier will be blacklisted who is found to the tender process by making coercive practices, collusive practices, corrupt practices, fraudulent practices & obstructive practices.
41. I agree to the above terms and conditions and give my acceptance.
42. Checklist of documents to be attached.

Note: For any technical queries, please contact (Project Manager), PMDC Salt Mine, Warcha,
Phone: 0300-8604072

Signature of tenderer: _____

Name of tenderer: _____



AWP *Sajid Hussain*
(Sajid Hussain)
~~Dy. General Manager~~ (Procurement)
PMDC Head Office, H-9/4, Islamabad
Phone: 051-9265128
E-mail: dgm-pro@pmdc.gov.pk

MATERIAL SPECIFICATIONS/BRANDS TO BE USED

Sr. No.	Item	Brand/Make
1	Bricks	1 st class brick or approved Eqv.
2	Sand	Local available Premium Quality
3	Crush	Local available Premium Quality
3	Cement	Bestway, Maple or approved Eqv.
4	Tiles	Times/Master or approved Eqv.
5	Paint/Weather shield	Berger, ICI Dulux or approved Eqv.
6	Aluminum	Alco or approved Eqv. 2.0mm or 1.6mm as per site
7	Glass	Ghani or approved Eqv.
8	Lamination Sheet	ZRK/Patex or approved Eqv.
9	Wood	Kail or approved Eqv.
10	Conduits	Adam Jee or approved Eqv.
11	Wires	Pakistan/Fast Cables
12	Electric Switches/Socket etc.	TJ or approved Eqv.
13	Breakers	Chint or approved Eqv.
14	Lights	Osaka or approved Eqv.
15	Fans	GFC or approved Eqv.
16	Sanitary Pipes	Minhas, Popular or approved Eqv.
17	Sanitary Fixtures	Faisal or approved Eqv.
18	Commode (Indian & English), Basin	Three Star or approved eqv.
19	False Ceiling	Arish with Aluminum T, channel etc. of CMK or approved eqv.



Check List

Sr. No.	Description	Yes	No								
1	Original Bid money as per following detail is attached/handed over to the PMDC :- <table border="1" style="margin: 10px auto;"><thead><tr><th>Sr. No.</th><th>Bid Security</th><th>No.</th><th>Dated</th></tr></thead><tbody><tr><td>1.</td><td>Rs.900,000/-</td><td></td><td></td></tr></tbody></table>	Sr. No.	Bid Security	No.	Dated	1.	Rs.900,000/-				
Sr. No.	Bid Security	No.	Dated								
1.	Rs.900,000/-										
2	List of the construction machinery and equipment available with the tenderer.										
3	Copy of CNIC and Authority Letter.										
4	Copy of registration certificate with FBR/relevant authority department.										
5	Copy of valid registration certificate with PEC in C-4 Category having building codes CE-09, CE-10 & EE-04.										
5	Copies of minimum Two (02) experience certificate, work orders as well as completion/performance certificate within last 03 years.										
6	List of technical staff available with the tenderer who will execute/ supervise the work.										
7	Financial Soundness Proof (Bank Reference or Bank Statement, Audited Report, Account maintenance certificate).										
8	Affidavit of No litigation with PMDC.										
9	Affidavit regarding No dispute with PMDC.										
10	Affidavit regarding No conflict of interest with PMDC.										



Tenderer/Bidder Signature

**Name of Project. Construction of Officers Bachelors
Hostel at PMDC Salt Mine Warcha.**

**Bill of Quantity
SUMMARY OF COST**

S.No	Description	Amount In PKR (Including All Taxes)
1	Cost of Civil Works	
2	Cost of Electrical Work.	
	Grand Total in PKR including all Taxes for Construction of Officers Bachelors Hostel at PMDC Salt Mine Warcha.	



Name of Project. Construction of Officers Bachelors Hostel at PMDC Salt Mine

Warcha.

Bill of Quantity

BOQ Item #	Description	Total Qty	Unit	Rates in PKR	Amount In PKR (Including all Taxes)
Section-1 Earth Work					
1.1	Excavation for foundations, i.e. footings, ducts, trenches, pits, raft etc., including back filling the excavated material in foundations, plinth and under floors etc., including watering and consolidation by ramming in layers not exceeding 9" in thickness to any depth and disposal of surplus excavated stuff to any lead as required and directed by the engineer incharge.				
a)	In all kinds of soils Excluding hard Rock from 00' to -5ft	10302.70	CFT		
1.2	P/A approved Anti-Termite Chemical Treatment by spray at bottoms and sides of excavation and under floors of ground floor and basement as per standard specification of manufacturer or as directed by the engineer Incharge and upto his satisfaction (one time payment shall be made on the basis of plinth area).	4951.39	SFT		
1.3	Supplying Stacking and Filling Sand/Soil of approved quality from outside sources in foundation, trenches, plinth or under floor, behind retaining wall etc. including dressing, watering and consolidation by ramming in layers not exceeding 9 inches in depth to full compaction from any lead and lift.	882.87	CFT		
1.4	Levelling and Dressing the ground by cutting and filling earth upto 6 inches (152 mm) in depth including consolidating and watering, complete as required.	5026.74	SFT		
Section-2 Concrete and RCC Work					
2.1	Providing and laying 1:3:6 cement concrete having minimum works cylindrical strength of 2000 PSI (14MPa) after 28 days using crushed graded boulders 3/4" and down gauge and Lawrencepur sand in foundation and plinth basement, plinth, under floors and where required including formwork, compacting and curing etc. complete.	3288.15	CFT		
2.2	Providing and laying Reinforced Cement Concrete using approved crushed graded boulders 3/4" and down gauge and Lawrencepur sand having minimum works Cylindrical crushing strength 3000 psi (21MPa) at 28 days with a mix not leaner than 1:2:4 including steel form work compacting, curing and removal of form work etc. complete, but excluding the cost of reinforcement and as directed by the Engineer Incharge.				
a)	Foundation				
i)	Raft / strip /column Footing	1942.31	CFT		
b)	Columns				
i)	up to PL	388.46	CFT		
ii)	Ground floor	741.61	CFT		
iii)	First Floor	70.63	CFT		
c)	Plinth Beams	635.66	CFT		
d)	Lintels & Beams				
i)	Ground Floor	1200.70	CFT		
e)	Stairs & landing G.Floor				
i)	Ground Floor	141.26	CFT		
f)	Slabs and shades				
i)	Ground floor slab/Culvert top slab etc.,	2507.34	CFT		
ii)	First Floor	114.77	CFT		
g)	In Parapet				
i)	First Floor	379.63	CFT		
	In Parapet at 4th floor	0.00	CFT		
2.3	P/L Steel Reinforcement Ribbed Deformed Bars conforming to ASTM 615-A with minimum yield strength of 60000 psi, including the cost of straightening, cutting, bending, binding, wastage and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 pre-cast or M.S chairs tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work at any depth or height at any floor as directed by the Engineer Incharge.	25,450	Kg		
Section-3 Brick Masonry					
3.1	Providing and laying First Class Solid Burnt Brick Masonry set in cement mortar 1:4 in straight or curved walls 9" to 13-2 inches (228 mm to 343 mm) thick including scaffolding, raking out Joints and curing etc. complete for following works				
a)	Foundation upto Plinth level	2785.27	CFT		
b)	Ground floor	3762.42	CFT		
c)	1st floor	436.14	CFT		



BOQ Item #	Description	Total Qty	Unit	Rates in PKR	Amount In PKR (Including all Taxes)
3.2	#REF!				
a)	Ground floor	1422.47	CFT		
	Section-4 Cement Plaster				
4.1	1/2" thick Cement Plaster 1:3 on soffits of ceiling, cantilever slabs, sides and soffits of beams etc., including making edges, corners, and curing etc., complete.				
a)	Ground floor	4259.81	SFT		
b)	First floor	234.01	SFT		
4.2	1/2" thick Cement Plaster 1:4 on walls and columns, etc. including making edges, corners, and curing etc., complete.				
a)	Ground floor	13803.09	SFT		
b)	First floor	522.59	SFT		
4.3	3/4" thick Cement Plaster 1:4 on walls and columns, etc. including making edges, corners, and curing etc., complete.				
a)	Ground floor	5548.25	SFT		
b)	First floor	1349.25	SFT		
	Section-5 Flooring / Dado & Skirting				
5.1	Providing, and laying floors of 3 inches (75 mm) thick 1:2:4 cement concrete using crushed graded boulders 3/4 inches (19 mm) and down gauge in ground floor laid in panels including form work, consolidation, finishing, curing etc. complete.	4475.09	SFT		
5.2	Providing and Laying Ceramic light/dark series tiles in Floor of Master, Shabbir or approved equivalent make (Pakistani) first grade laid over 1" thick 1:3 cement sand mortar, including setting tiles in slurry of grey cement, filling the joints with stile bond compound using pvc spacer, matching the color and washing the tiles, curing and cleaning etc. complete in any floor as directed by Engineer Incharge.	234.11	SFT		
5.3	Providing and Laying Ceramic light/dark series Master, Shabbir or approved equivalent first grade of approved color & size in dado and skirting over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joint with stile bond using pvc spacers matching the color and washing the tiles, curing and cleaning etc. complete in any floor as directed by Engineer Incharge.	802.45	SFT		
5.4	Providing and laying, 20 mm thick, Granite marble polished of approved size complete as in floors, steps, walls and kitchen tops etc, laid and jointed in white/coloured cement (1:2), complete as directed by Engineer Incharge.				
a)	Stair Tread	200.75	SFT		
b)	Vanity Top	51.13	SFT		
c)	Window sill Level	72.66	SFT		
d)	Stair Riser	174.91	SFT		
5.5	Providing & laying approved light/colour glazed/non-skid Vitrified Porcelain tiles of Master (polished) not exceeding 4.0 Sq.ft on walls & floors in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including pvc spacers, jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	4073.60	SFT		
5.6	Providing and Laying Vitrified Porcelain tiles of Master, Shabbir or approved equivalent first grade of approved color & size in dado and skirting over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joint with stile bond using pvc spacers matching the color and washing the tiles, curing and cleaning etc. complete in any floor as directed by Engineer Incharge.	2107.03	SFT		
5.7	providing and laying in floor cc 1:2:4 Tuff Pavers 2.5" thick of approved design and color pattern (avg strength 7000 psi) lay down sand cushion filling of joints with sand and warring etc. complete as per direction of engineer incharge (the cost of sand is included)	2322.31	SFT		
5.8	Providing and laying 3/8" (9mm) thick marble patties (panel strips) up to 1" (25mm) depth in floor and dado of any description in all floor as required by the Engineer Incharge.	344.48	RFT		
	Section-6 Aluminum and Steel Work				
6.1	Providing and fixing fully glazed Champagne Anodized Aluminium Double Glazed Sliding Windows as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables, Prime and A.C.P. (fixing through their approved fabricators), Prime model box section 101mm x 30mm and 2mm thick including the cost of aluminium netting, fittings, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, including the cost of 5 mm thick tinted glass pans.	524.74	SFT		
6.2	Providing and fixing fully glazed Champagne anodized aluminium Fixed windows Partition as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Economy model box section 76.2mm x 38.1mm and 2 mm thick including the cost of aluminium fittings, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, including the cost of 5 mm thick tinted glass pans.	80.19	SFT		



BOQ Item #	Description	Total Qty	Unit	Rates in PKR	Amount In PKR (Including all Taxes)
6.3	Providing and Fixing fully glazed Champaign anodized /powder coated approved color Aluminum Swing Door with frame , as per British standard manufactured by lucky, Alcop, Krudson, Pakistan cable, Prime and A.C.P (fixing through their approved fabricators). Deluxe model box section,101.6mm x 44.5mm and 2mm thick including the cost of aluminum fittings 5 mm thick tinted glass, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge.				
a)	Openable portion	236.27	SFT		
b)	Fixed Portion	21.53	SFT		
6.4	Providing and fixing iron grills , Ladders, MS grating or Covers, fence work etc. of required sections of flat iron or M.S square bars or structural steel as per approved design including welding all sides of the section at the junction, and fixing with sunk iron screws, painting two coats of red oxide paint and 3 coats of enamel paint etc. complete as required in any floor in masonry or concrete work.	524.74	SFT		
6.5	Providing and fixing single leaf steel doors made to crittal or equivalent standard and of approved sections fully paneled with MS Sheet of 16 gauge painted with 02 coats of red oxide paint i/c using approved brass section oxidized fitting iron lugs , cutting holes and making good damages to walls etc., complete as required in any floors.	34.98	SFT		
6.6	Supplying and fixing approved foreign make Aluminum door closer double action machine (floor mounted) complete approved premium model anodized, bronze or powder coated as per direction of the engineer in charge	10.00	No		
Section-7 Wood Work and Fittings					
7.1	Providing and fixing 1-1/2 inches (38 mm) thick solid core deodar wood flushed veneered door shutters, with and including the cost of Malaysian (MDF) plywood facing 3 mm. thick on both faces, fixed over best quality deodar wood frame 6 inches wide all-round 6 inches wide lock rail and 2nd class deodar wood solid core, i/c , 1/4 inch thick best quality deodar wood lipping on all sides as per approved drawing, manufactured under power driven hydraulic press, including the cost of approved iron fittings, handles, tower bolts 10" long etc. but excluding the cost of locking arrangement.	511.29	SFT		
7.2	Providing and fixing 1-1/2 inch (38 mm) thick best quality deodar wood shutters fully paneled with same wood, approved iron hinges and tower bolts,glass panes etc., as required.	180.30	SFT		
7.3	Providing and fixing with C.P. brass screws main door handle type lock (KHAS TRUIMPH) of approved design, cutting wood etc. to required size, with operating keys, as per direction of the engineer-in-charge.	24.00	No		
7.4	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge.	2.00	No		
7.5	Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design No. 5002, Japan make or approved equivalent, cutting wood etc. to required shape and size as per direction of the engineer-in-charge	18.00	No		
Section-8 Painting and Finishing Work					
8.1	Providing and applying wall putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.	19541.32	SFT		
8.2	Painting with Plastic emulsion Paint VIP of approved make & shade two coats over and including the cost of one priming coat, sand papering, dusting and filling the holes, double putty filling etc. complete over plastered surface at any floor and any height.	19541.32	SFT		
8.3	Painting with three coats of weather shield paint ICI Dulux ,Nippon or approved equivalent make & shade two coats over and including the cost of one coat of exterior primer, including sand papering, dusting and approved exterior putty filling the holes, etc. complete over plastered surface at any floor and any height.	6898.05	SFT		
8.4	Painting wood work with synthetic enamel paint of ICI Dulux ,Nippon or approved equivalent make and shade two coats over and including the cost of one priming coat complete at any height in any floor .	648.52	SFT		
8.5	Painting Iron Work with synthetic enamel paint of ICI Dulux ,Nippon or approved equivalent make and shade two coats over and including the cost of one priming coat complete at any height in any floor .	22884.05	SFT		
8.6	Applying French or Spirit Polishing, two coat of approved make on wood work at any height in any floor .	195.36	SFT		
Section-9 Roof Treatment					
9.1	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 4" (100 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- i) Thermopore sheet ½ " (50 mm) thick	5118.77	SFT		



BOQ Item #	Description	Total Qty	Unit	Rates in PKR	Amount In PKR (Including all Taxes)
9.2	Providing and applying torch-on water proofing bitumenous membrane of specified thickness 3mm plain (made of Roof-Grip/ Euro Bit) duly lapped/ connected by heating with Torch over ps-6 primer i/c preparation/ smoothen the surface complete in all respect as approved and directed by the Engineer Incharge	1560.18	RFT		
9.3	Providing and laying 1:2:4 cement concrete khuras 2" thick 2' x 2' size on roof i/c finishing with cement plaster 1:4, curing etc. complete as directed by the Engineer incharge.	10.00	Each		
Section-10 Plumbing and sanitary Works					
10.1	Providing and Fixing un plasticized polyvinyl chloride pipe (u.P.V.C) "B" class NAKASI (DADEX) or approved equivalent with Specials, cowl, etc.) and clamps etc., including cutting and fitting, complete for soil waste, vent or rainwater down pipe with and including the cost of breaking through walls and roof and making good etc., after cleaning the pipe and cartage within 10 miles (16.09 Km) (working pressure 12 kg/sq cm) :				
a)	50 mm dia	50.03	RFT		
b)	110 mm dia	164.86	RFT		
10.2	Providing and fixing uPVC trap DADEX, BETA or approved equivalent with 4 inches (100mm) dia inlet and 4 inches (100mm) dia out let of approved self cleansing design with CP jali/ grating 6"x6" with or without vent arm including cost of making requisite no of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	10.00	No		
10.3	Providing and fixing approved make full way gun metal valves/ Ball valves with rubber washers/approved ball valve with handle, (standard pattern). As directed by engineer incharge.				
a)	32mm dia.	18.00	No		
b)	40mm dia	4.00	No		
c)	50mm dia	2.00	No		
10.4	Providing and fixing (Brite/Porta/Portex) or approved equivalent make of best quality squatting type white/ coloured glazed earthenware W.C Pan, (of not less than 18 Inches clear opening as measured between flushing rims) complete with and including the cost of 13.6 liter best quality low level plastic flushing cistern of approved brand with internal fittings complete, P.V.C. flushing pipe suitable for squatting type with extra bends and length with fittings, uPVC trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4.	4.00	Each		
10.5	Providing and fixing best available quality European style (Brite/Porta/Portex) or equivalent as approved white glazed earthenware wash down W.C.Pan complete with and including the cost of a plastic seat (PVC cover and buffers 3 galls. (13.6 litres) white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2 inches (40mm) dia white porcelain enamelled flush bend, 3/4 inch (20mm) dia, G.I. warning pipe carried outside and bent vertically downwards and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4, as directed.	2.00	No		
10.6	Providing and fixing Brite/Porta/Portex or approved equivalent make 25 inches x 18 inches (635 mm x 457 mm) lavatory basin in white/ coloured glazed earthenware Including pedestal complete with and including the cost of Brass oxidized bolts kit built into wall, 1/2 inch (15 mm) dia. Chrome plated mixer of approved brand 1-1/4" inches (32mm) rubber plug and chrome plated brass chain, 1-1/4 inches (32 mm) dia brass waste of approved pattern, 1-1/4 inches (32 mm) dia. Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls plinth and floor for pipe connections and making good in cement concrete 1:2:4.	4.00	No		
10.7	Providing and fixing approved quality earthen ware glazed vanity basin (Brite/Porta/Portex) or equivalent standard size (White/light colour) and including the cost of 1-1/4" dia brass waste 1-1/4" rubber plug and chrome plated brass chain PVC waste pipe 1-1/4" dia of approved pattern etc. complete.	2.00	No		
10.8	P/F approved quality stainless steel sink 48" x24" Pak made (Atlas) complete with brass oxidized bolt kit/angle iron brackets built into walls 1/2" dia CP sink mixer, 1-1/4" rubber plug and CP brass chain, 1-1/4" CP brass coupling and approved waste pipe, Chrome plated mixer of approved brand 1-1/4" inches (32mm) rubber plug and chrome plated brass chain and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4	4.00	No		
10.9	Provide and fixing 12" x 12" with 4" (100mm) outlet cement concrete, CI/ uPVC Gully Trap complete with 4" thick 1:2:4 cement concrete for bed and kerb, 1/2" (13mm) thick cement sand plaster (1:3) to the kerbed, CI grating 6" x 6" (150 x 150mm) and CI cover with frame 12"x12" (305 x 305mm) inside etc. complete.	6.00	No		
10.1	Providing, Laying, Jointing and testing PPRC pipes of approved brand & make with all fittings (Sockets, Tees, Elbows, Bends, Crosses, Reducers, Plugs, Unions etc.) where required, class PN-20, as specified				
a)	25 mm dia	213.74	RFT		
b)	32 mm dia	116.63	RFT		
c)	40 mm dia	99.24	RFT		



BOQ Item #	Description	Total Qty	Unit	Rates in PKR	Amount In PKR (Including all Taxes)
10.11	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal or approved equivalent manufacturer, comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall Shower (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap	6.00	No		
10.12	Providing and fixing VIP Chrom eplated bath room accessories of set of 7 pieces consist of one shelf, one towel rod with bracket, one towel ring, one soap dish, one tooth Brush holder with glass, one tissue paper holder one double hook etc complete of approved quality as per direction of Engineer in-charge.	6.00	No		
	Providing and Fixing of SS 304 Floor Drain 6", complete in all respect as approved and directed by Engineer Incharge.	6.00	No		
10.13	Providing G.I. pipes, specials and clamps etc., including fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., painting 2 coats after cleaning the pipe etc.; with white zinc paint with pigment to match the color of the building or wrapping with masking tape as directed and testing with water to a pressure head of 200 feet (ILLM quality) as directed.				
a)	3/4" dia pipe	181.26	RFT		
b)	1" dia pipe	116.30	RFT		
c)	1-1/2" dia pipe	99.24	RFT		
10.14	Providing RCC pipes and collars of class 'A' and fixing in trench including cutting, fitting and jointing with maxphalt composition and cement mortar (1:1) and testing with water to a head of 4 feet (1.22 m) above the top of the highest pipe including cartage within 10 miles (16.09 km.) dia. pipe..				
a)	i) 6" dia	98.42	RFT		
b)	ii) 9" dia	98.42	RFT		
Section - 11 Misc., Works					
11.1	Supply and fix, Gypsum Ceiling 600mm x 600mm x 7.5mm thick, incl Aluminium Tea and Aluminium angle, 25mm x 25mm x 1mm, incl hanger clips, jointing clips and 14 SWG, GI wire etc. complete.	1132.90	SFT		
11.2	Supply & Installation of Duel (Electric and Gas Water Heaters) 35 gallons with factory-installed pressure relief valve, adjustable water temperature control thermostate, Copper connections for specific capacity having leaving waterr temprature 140 deg F & working pressure 15 PSI, Ambasador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and directed by Engineer Incharge.	3.00	No		
11.3	P/L in ground floor 18 SWG 8" expanded metal 3/4" mesh as reinforcement including fixing complete as directed by Engineer Incharge.	1807.72	RFT		
11.4	Providing and fixing 24" Deep Box type Wardrobe consisting of 3/4" thick UV coated MDF board(Medium density Fiber board) Sheet both side glazed shutters and box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters / panels / drawers etc., with machine i/c the cost of self closing blum type hinges, handles, screws, Glue and rawal plugs. Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge	304.08	SFT		
11.5	Providing and fixing water tank made of food grade polyethylene material 1000 gallon (Super tuff) including cost of specials and cartage upto site as per direction of Engineer in charge	2.00	Each		
11.6	P/F special door frame of special machine bended 16 Gauge M.S sheet 10"X2.5"profile with single/double rebate fitted with six fixing lugs, S.S bearing hinges (KHAS) 5" long for fixing door shutters standard lock plate (lock Box) one sliding bolt eye, including cutting holes, making good damages to walls, filling the door frame cavity with cement concrete 1:2:4 etc. in any floor and any height complete as directed by the engineer incharge	271.79	SFT		
11.7	P/F special door frame of special machine bended 16 Gauge M.S sheet 5"X2.5"profile with single/double rebate fitted with six fixing lugs, S.S bearing hinges (KHAS) 5" long for fixing door shutters standard lock plate (lock Box) one sliding bolt eye, including cutting holes, making good damages to walls, filling the door frame cavity with cement concrete 1:2:4 etc. in any floor and any height complete as directed by the engineer incharge	104.95	SFT		



BOQ Item #	Description	Total Qty	Unit	Rates in PKR	Amount In PKR (Including all Taxes)
11.8	Providing and fixing 2" dia S.S railing (16 Gauge Chinese imported stainless steel 202 Grade as per fabrication standard) of approved design including 3 nos. 3/4" dia (16 Gauge) horizontal braces, master balustrate and intermediate baluster including fitting, anchor bolts, cups, base plate complete stainless steel material as per design or as directed by Engineer-In-Charge	115.65	RFT		
11.9	Supply and fix, Venetian blind (Roll ups) having fabric strip, upto 90mm width, of desired shades, best quality, including the cost of rods brackets complete with all	492.45	SFT		
	G.Total Rs:			Rs.	



Name of Project. Construction of Officers Bachelors Hostel at PMDC Salt					
Mine Warcha.					
Bill of Quantity					
Sr. #	Description	Qty	Unit	Rate in PKR	Amount in PKR (Including all Taxes.)
E-1.1	Providing and fixing heavy guage PVC conduits in cluding the cost of				
	i) Joint Box				
	ii) Pulling Box				
	iii) Fan Boxes				
	iv) PVC Fittings (Sockets, bands tees, etc)				
	v) Insulation Tape				
	vi) In roof Slabs				
	vii) Recessed in walls beams and Coulmns				
	viii) In any Floor				
	ix) In any Floor				
	x) Make Adam Jee, Beta or Eq.				
	as per drawing for following sizes.				
	12.5 mm (1/2")	492.12	RFT		
	20 mm (3/4")	656.16	RFT		
	25 mm (1")	328.08	RFT		
	50 mm (2")	164.04	RFT		
E-1.2	Providing and fixing metal board powdered coated recessed in walls for following sizes				
	4" x 4"	344.484	Nos.		
	7" x 4"	147.636	Nos.		
E-1.3	Providing and wiring from switch to point fan/bell/light etc in already laid conduits including the cost of				
	i) Wire (Make Newage/Pakistan/Fast) complete as directed by Engineer Incharge				
	Single Core 1mm2 (3/0.029)	6069.48	RFT		
	Single Core 1.5mm2 (3/0.036)	2870.7	RFT		
E-1.4	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equivilent manufacturer, screws complete in all respect, as approved and directed by the Engineer Incharge				
	02 Gange	8	Nos.		
	04 Gange	8	Nos.		
	06 Gange	45	Nos.		
	Three pin Light Plug 10/13 Amp	35	Nos.		
	Telephone / TV/Datacable socket	12	Nos.		
	Fan Dimmer	12	Nos.		
	Bell push	6	Nos.		
	Three Pin Power Plug 15-32 Amp	12	Nos.		
	20 A Double Pole Switch For A/C	12	Nos.		
E-1.5	Providing and wiring Wire (Make Newage/Pakistan/Fast) of subcircuit from mian DB to switch board , light plug, power plug in already laid conduitsfor following sizes				
	Single Core 2.5 mm2 (7/0.029)	3936.96	RFT		
	Single Core 4 mm2 (7/0.036)	3280.8	RFT		
	Single Core 6 mm2 (7/0.044)	1640.4	RFT		
E-1.6	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing).	3	Nos.		



	E-1.7	Providing, making & testing/commissioning of Bore type earthing point by drilling 3" dia bore hole up to water table/moist soil by laying 2" dia perforated GI pipe (Medium Quality) fixed with 40mm dia and 250 mm long tinned copper spike at bottom, i/c the cost of Tinned earth test link copper plate (300x50x10mm), brass nuts, spacers, bolts washers lugs etc. excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Bore Type Earthing).	60	RFT		
	E-1.8	Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
		Single Pole 6-63 Amp (10 KA)	48	Nos.		
	E-1.9	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
		Triple Pole 125-250 Amp(25KA)	2	Nos.		
	E-1.10	Providing laying and testing of PVC sheathed 600/1000v grade armoured cable in already laid RCC pipe including the cost of making connection from transformer LT point to BD as directed by Engineer In charge				
		16 mm ² 4 core Armoured	492.12	RFT		
		25 mm ² 4 core Armoured	131.232	RFT		
	E-1.11	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System				
		6mm ²	524.928	RFT		
		10mm ²	262.464	RFT		
	E-1.12	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan 56" i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge	12	Nos		
	E-1.13	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan 18" i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.	12	Nos		
	E-1.14	Providing and fixing 12" x 12" plastic body exhaust fan (Life Time Warranty)Make : GFC, Royal Younus with making connection complete in all respect				
		Plastic Body	6	Nos		
		Metal Body	6	Nos		
	E-1.15	Providing and fixing SMD light 18 Watts Make : Philips osrum etc with making connection complete in all respect	75	Nos		
	E-1.16	Providing and fixing LED Tubelights (Double Rods) 80 Watts Make : Philips osrum etc with making connection complete in all respect	36	Nos		
E-1.10	E-1.17	P/F wall mounted DB (Distribution Board) 200Amp made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge(Breakers will be Paid Separately).	6.25	Per Cft		
	E-1.18	Supply and erection of 25 mm (1") dia and one metre long lightning conductor copper rod with 5 spikes on ball and base, etc. complete.	02	Nos		
	E-1.19	Supply and erection of electric energy meter, including meter testing fee for Three phase, 4 wires, 3 x 80Amp ,400Volts etc.	02	Nos		

E-1.20	Supplying, installation testing and commissioning of Octagonal shape single arm 8 meter high electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge.	10	Nos.		
E-1.21	Supplying, installation and commissioning of LED Cobra-head Luminaries of 140 Lm/Watt 250 Watts with 35000 Lm specified wattage and lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer),programmable LED driver (Harvard/TCL/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating device i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.	10	Nos.		
E-1.22	Supplying, installation and commissioning of LED Fancy Wall brackets light specified wattage and lumens make Philips/Osram/Thorn or NEECA approved equivalent manufacturer as approved and directed by the Engineer Incharge.	24	Nos.		
				Total	





CONSULTANTS:



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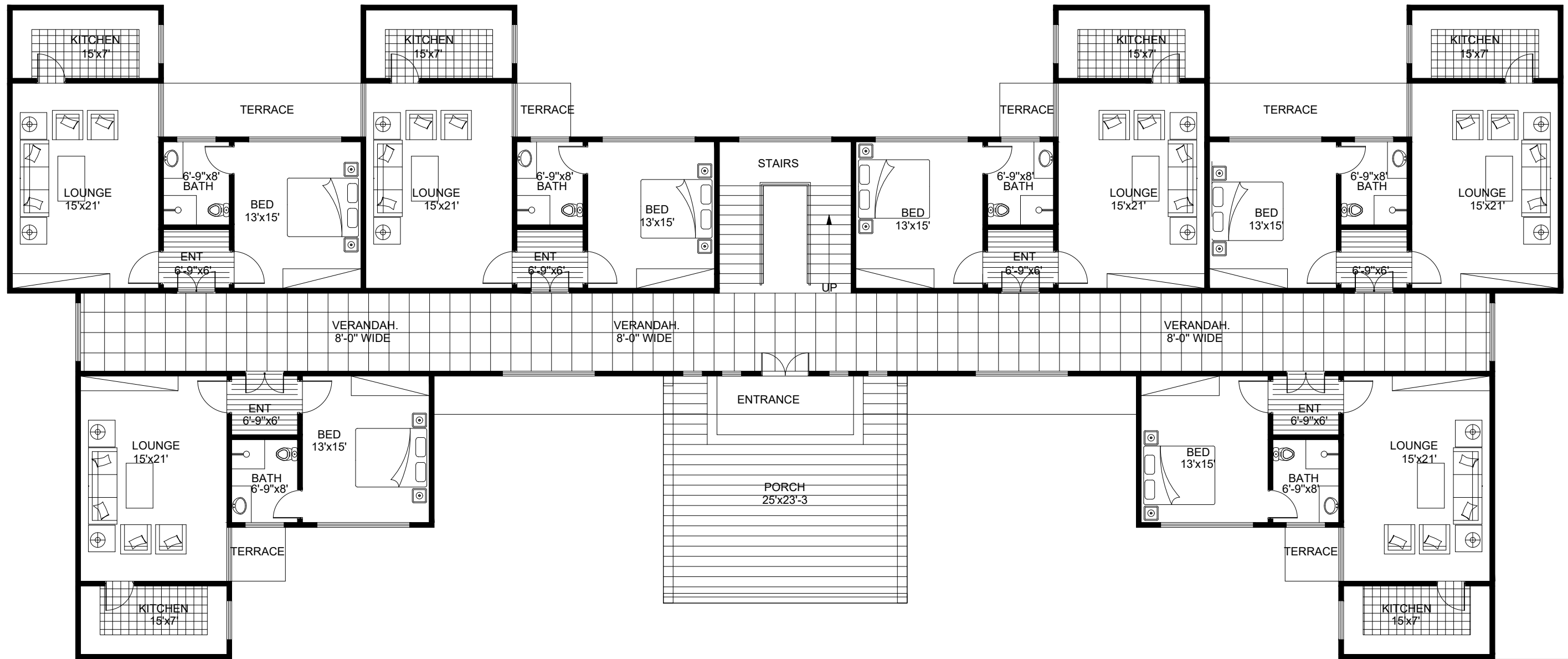


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GROUND FLOOR PLAN

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No.	DATE:	REVISIONS:	CH'K'D.

DESIGN TEAM:

Ar. BILAL KHAN
Ar. M. FAROOQ

DRAWN BY:

JAVED IQBAL

CHECKED BY:

M. FAROOQ

APPRO' BY:

BILAL KHAN

DATE:

21-10-2023

SCALE:

1/8"=10"

STATUS:

COMPLETE

PROJECT:

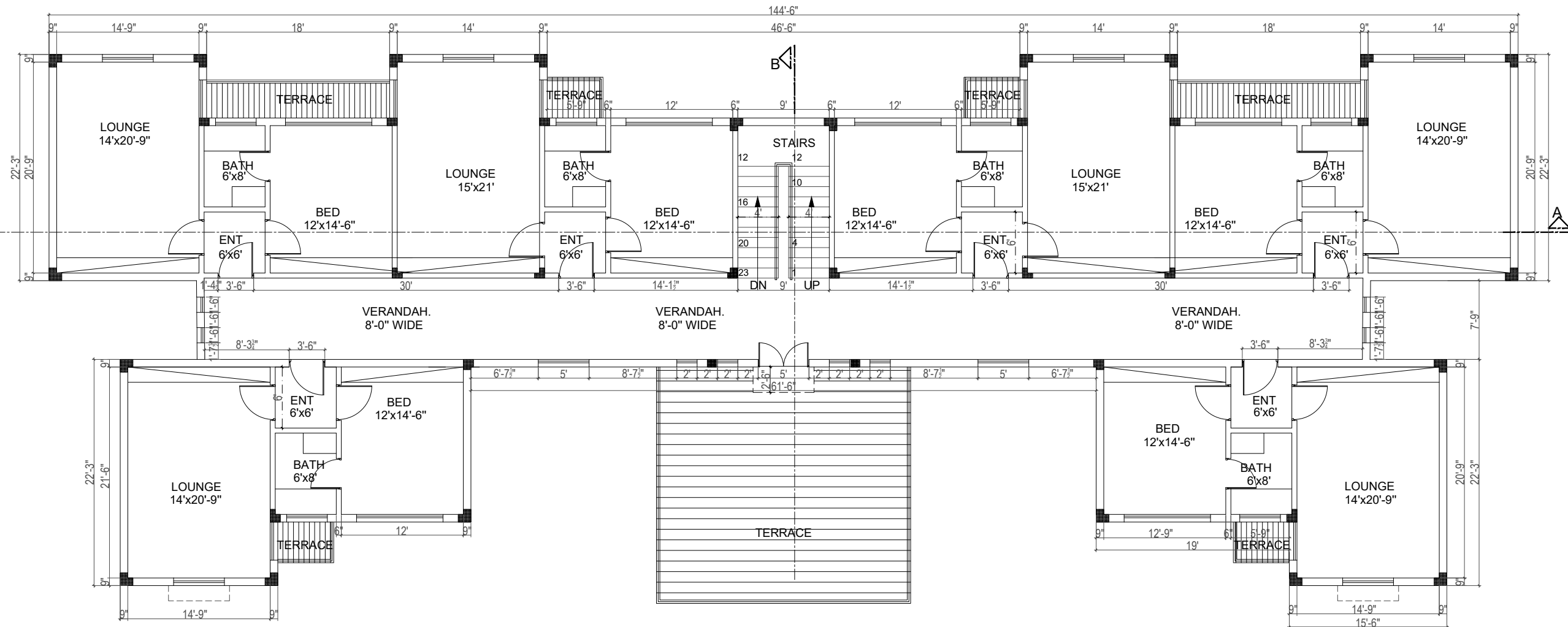
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TITLE:


APARTMENTS

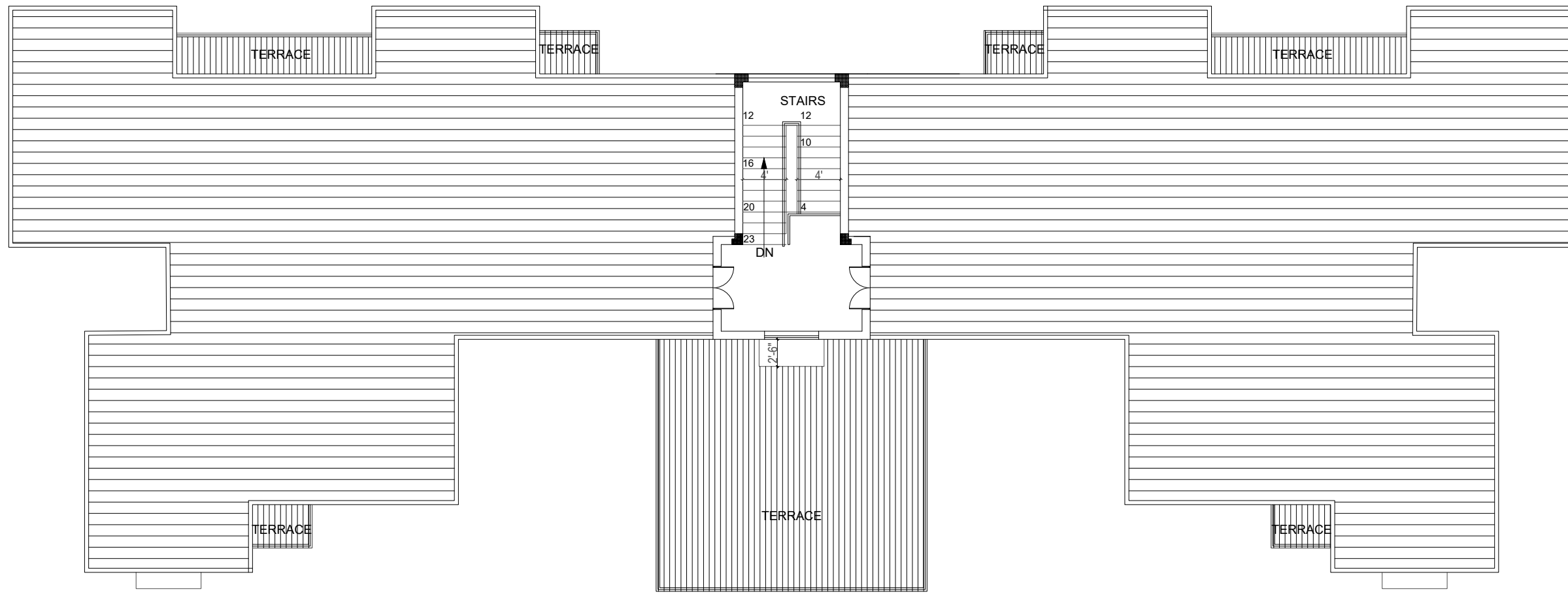
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2023 \ ARCH \ 01




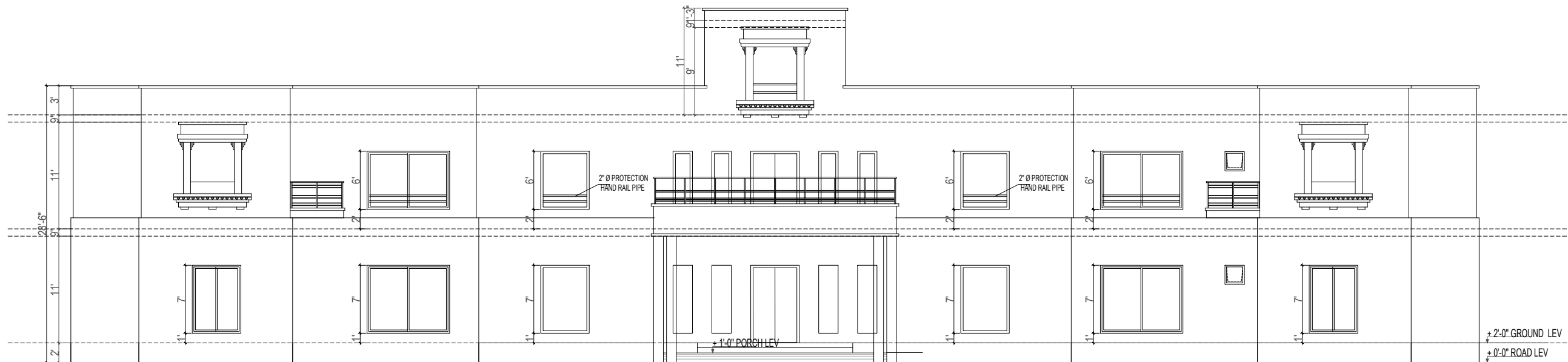
FIRST FLOOR PLAN
COVERED AREA 5585.00 Sft

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		CHECKED BY: M. FAROOQ	SCALE: 3/32"=1'0"		TITLE: FIRST FLOOR PLAN		
					APPRO' BY: BILAL KHAN	STATUS: COMPLETE	DRG. NO 2023 \ ARCH \ 02

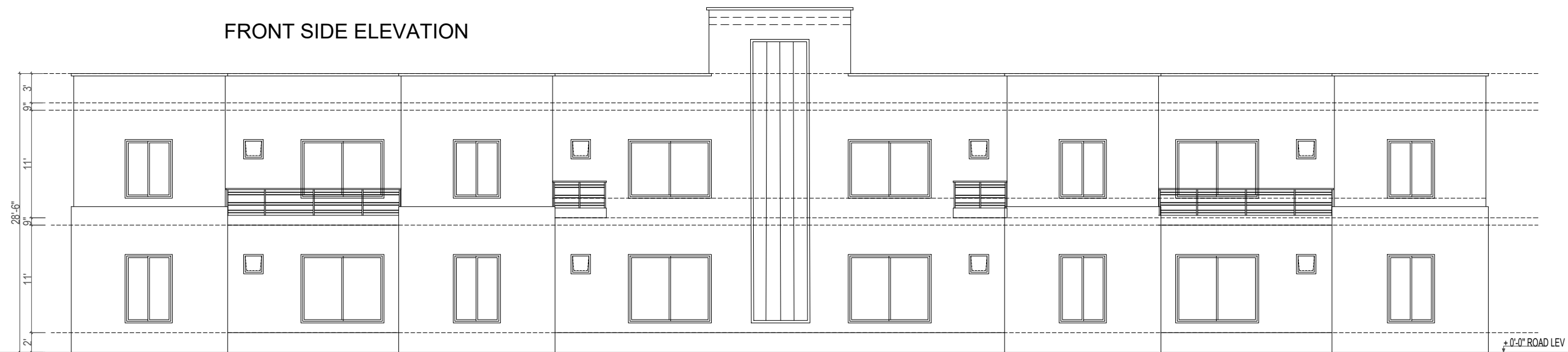


ROOF PLAN


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		CHECKED BY: M. FAROOQ	SCALE: 3/32"=1'0"	TITLE: MUMTY FLOOR PLAN					
		APPRO' BY: BILAL KHAN	STATUS: COMPLETE	DRG. NO 2023 \ ARCH \ 03					
		No. DATE: REVISIONS: CH'KD.							



FRONT SIDE ELEVATION

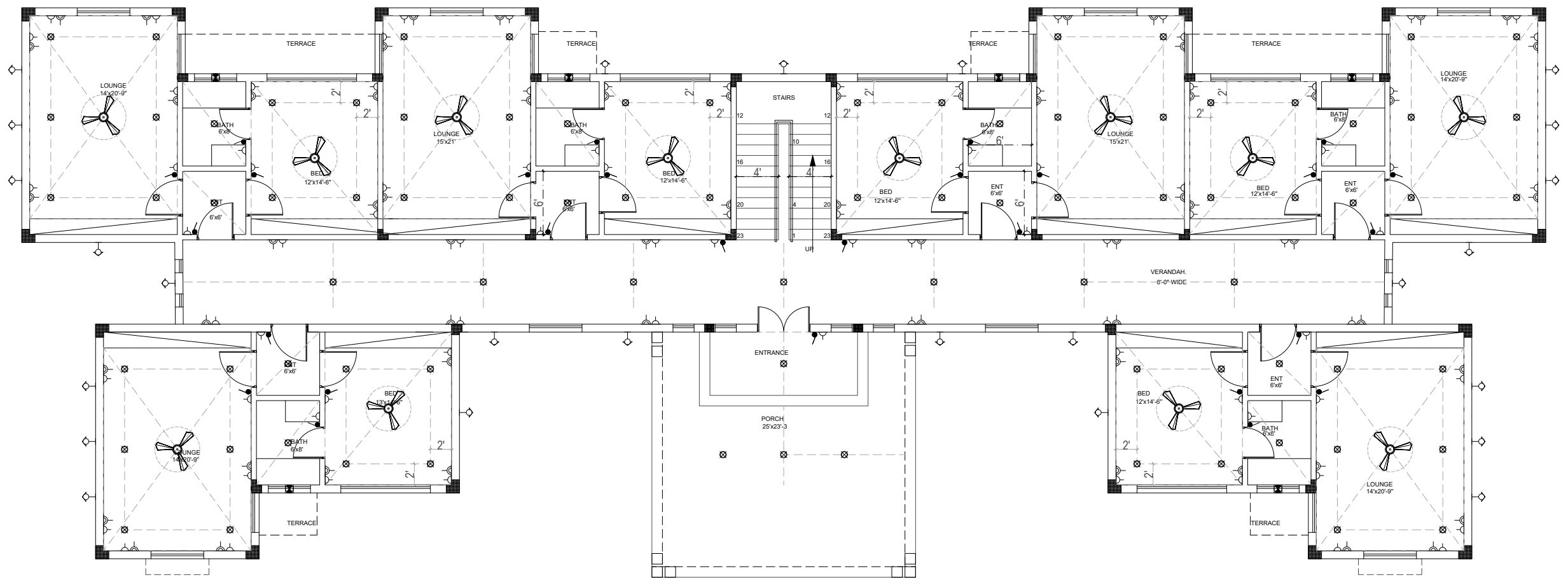


REAR SIDE ELEVATION

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		CHECKED BY: M. FAROOQ	SCALE: 3/32"=1'0"		TITLE: FRONT AND REAR ELEVATION		
				APPRO' BY: BILAL KHAN	STATUS: COMPLETE	DRG. NO 2023 \ ARCH \ 04	

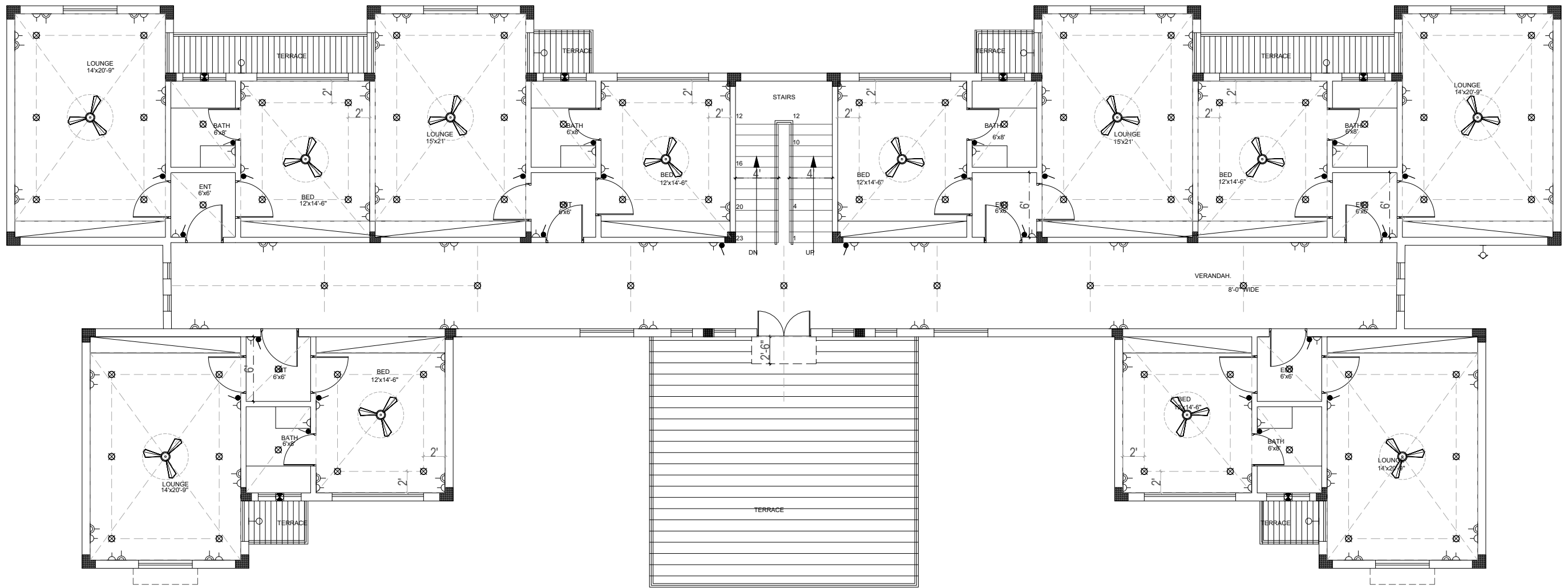
LEGEND. (Electrification Symbols).

S.NO.	NAMES:	SYMBOLS.	HEIGHT:
01.	POWER PLUG.		0'-9" ABOVE F.F.L
02.	LIGHT PLUG.		3'-6" ABOVE F.F.L
03.	TELEPHONE.		0'-9" ABOVE F.F.L
04.	CEILING FAN.		CEILING MOUNTED
05.	EXHAUST FAN.		8'-6" ABOVE F.F.L
06.	CEILING LIGHT.		CEILING MOUNTED
07.	DISTRIBUTION BOARD.		4'-0" ABOVE F.F.L
08.	SWITCH BOARD.		3'-6" ABOVE F.F.L
09.	2-WAY SWITCH.		3'-6" ABOVE F.F.L
10.	BELL PUSH.		3'-6" ABOVE F.F.L
11.	WATER PROOF LIGHT.		4'-0" ABOVE F.F.L
12.	BELL BUZZER.		9'-0" ABOVE F.F.L
13.	A.C.		9'-0" ABOVE F.F.L
14.	WALL BRACKET LIGHT.		7'-0" ABOVE F.F.L




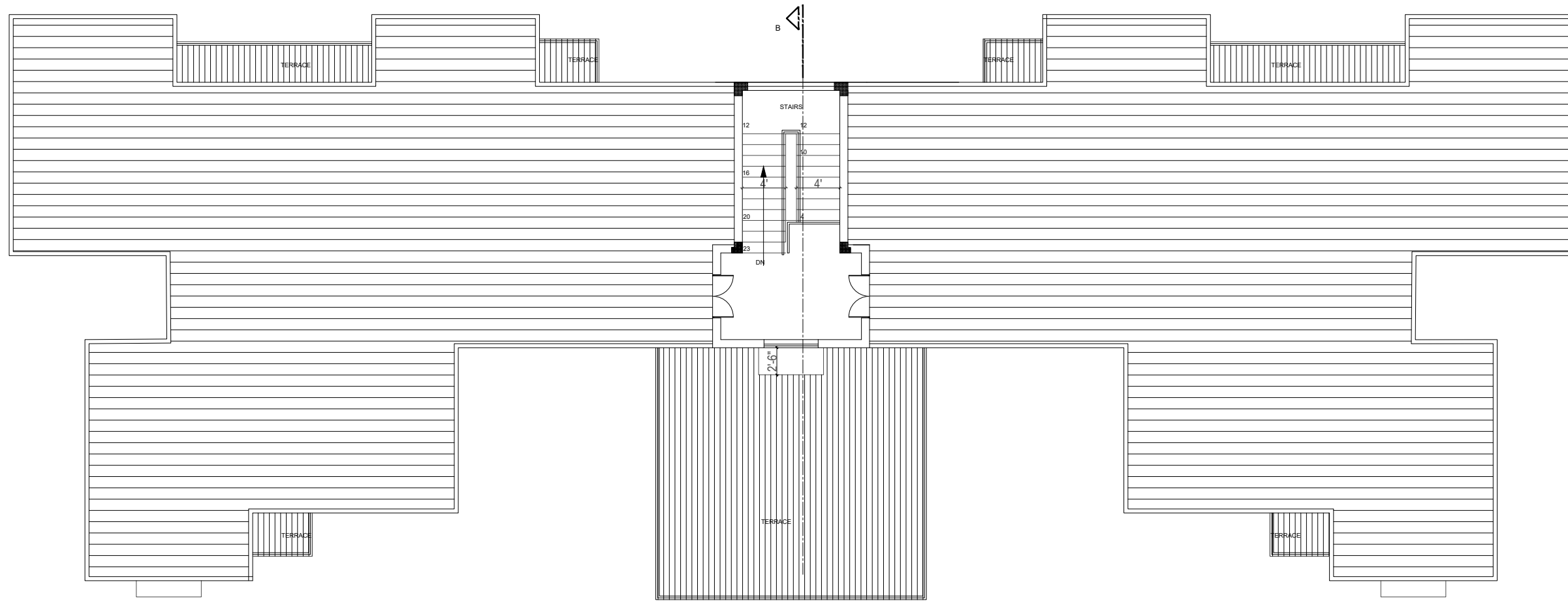
GROUND FLOOR ELECTRICAL PLAN
COVERED AREA 5585.00 Sft

CONSULTANTS: ARCH ANGLE DESIGN STUDIO ARCHITECTS M: 03314584405 arc.angle.studio@gmail.com OFFICE 453, STREET 01, G-9/3, ISLAMABAD	CLIENT: PMDC	NOTES: All right reserved.No parts of this drawing may be circulated, stored in retrieval system, or transmitted in any form or by any means i.e electronic, mechanical, photocopying, recording or otherwise without the prior permission of Arch Angle Design Studio	No. DATE: REVISIONS: CH'KD.	DESIGN TEAM: Ar. BILAL KHAN Ar. M. FAROOQ	DRAWN BY: JAVED IQBAL	DATE: 21-10-2023	PROJECT: PMDC APARTMENTS
		APPRO' BY: BILAL KHAN	STATUS: COMPLETE		TITLE: ELECTRICAL PLAN GROUND FLOOR PLAN	DRG. NO 2023 \ ARCH \ 01	




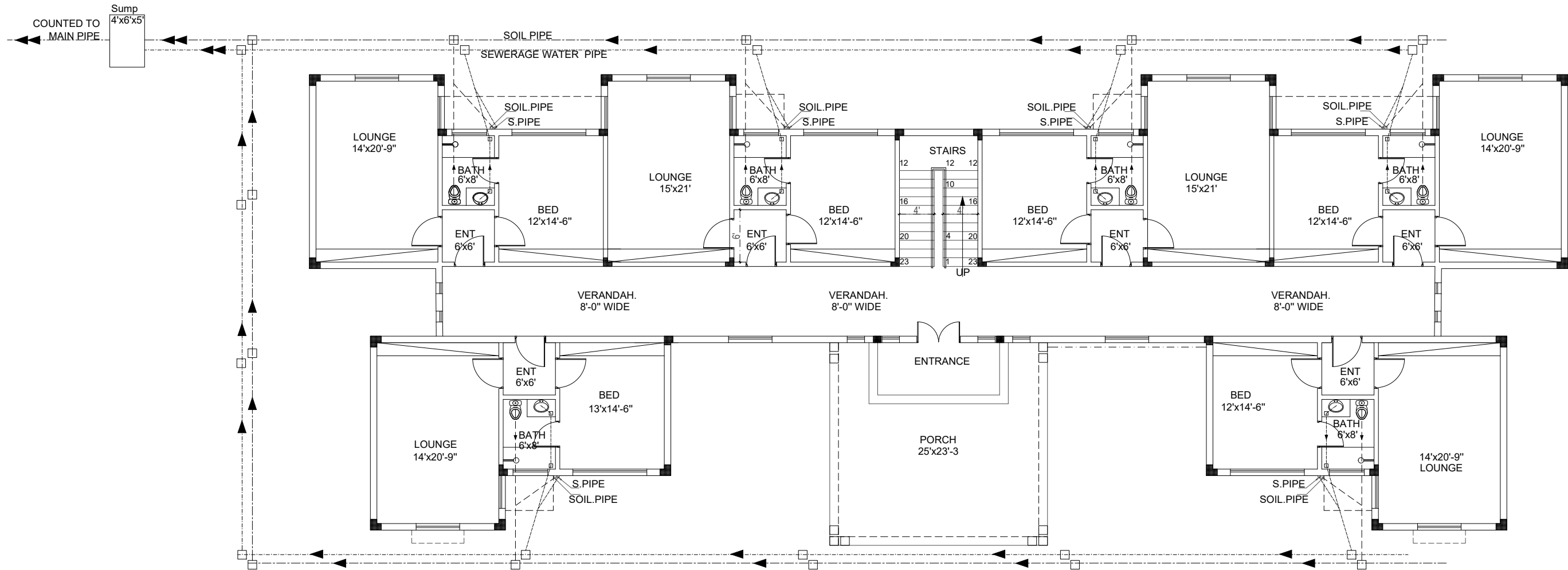
FIRST FLOOR PLAN
COVERED AREA 5585.00 Sft

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	PMDC		Ar. BILAL KHAN Ar. M. FAROOQ	JAVED IQBAL	21-10-2023	PMDC APARTMENTS
				Ar. BILAL KHAN Ar. M. FAROOQ	M. FAROOQ	SCALE: 3/32"=1'0"
			APPRO' BY: BILAL KHAN	STATUS: COMPLETE	DRG. NO 2023 \ ARCH \ 02	




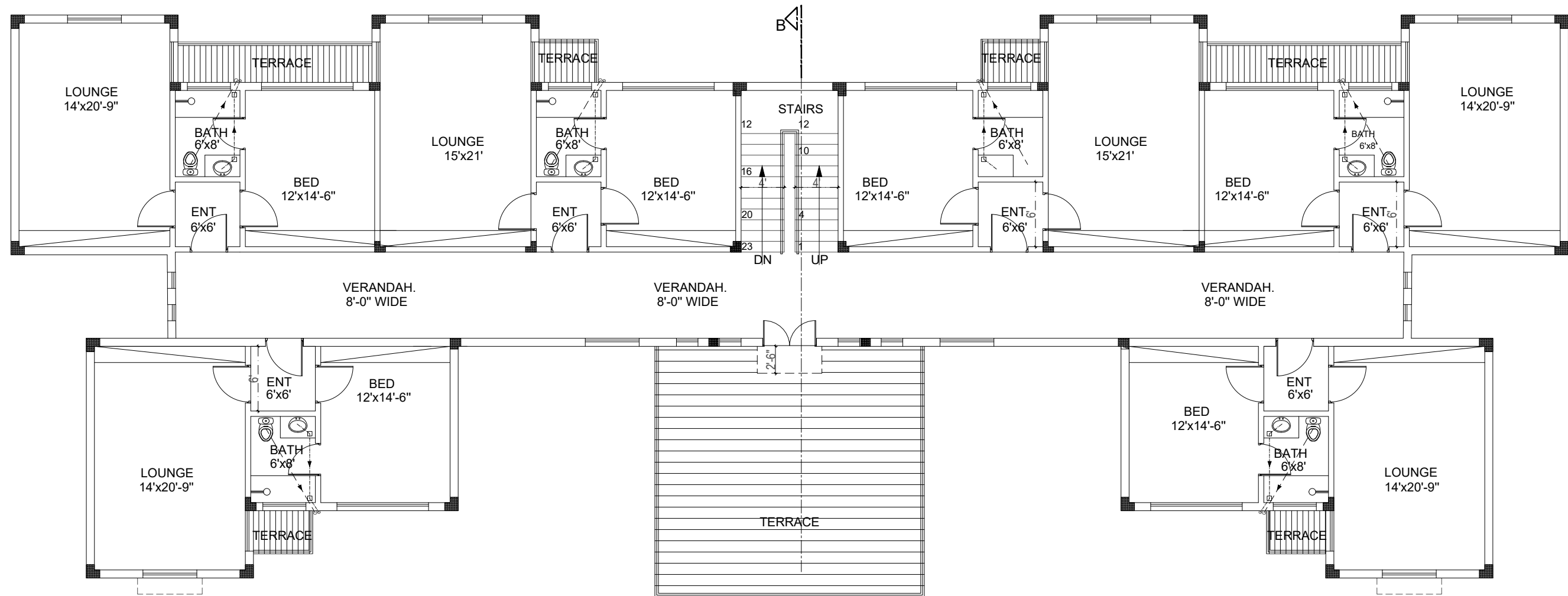
ROOF PLAN

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	PMDC		No.	Ar. BILAL KHAN Ar. M. FAROOQ	JAVED IQBAL	21-10-2023	PMDC APARTMENTS
			DATE:	REVISIONS:	CHECKED BY:	SCALE:	TITLE:
				M. FAROOQ	3/32"=1'0"	ELECTRICAL PLAN MUMTY FLOOR PLAN	
				APPRO' BY:	STATUS:	DRG. NO	
				BILAL KHAN	COMPLETE	2023 \ ARCH \ 03	




GROUND FLOOR PLUMBING PLAN
COVERED AREA 5585.00 Sft

CONSULTANTS:  ARCH ANGLE DESIGN STUDIO <small>ARCHITECTS M: 03314584405 arc.angle.studio@gmail.com OFFICE 453, STREET 01, G-9/3, ISLAMABAD</small>	CLIENT: PMDC	NOTES: <small>All right reserved.No parts of this drawing may be circulated, stored in retrieval system, or transmitted in any form or by any means i.e electronic, mechanical, photocopying, recording or otherwise without the prior permission of Arch Angle Design Studio</small>				DESIGN TEAM: Ar. BILAL KHAN Ar. M. FAROOQ	DRAWN BY: JAVED IQBAL	DATE: 21-10-2023	PROJECT: PMDC APARTMENTS
		CHECKED BY: M. FAROOQ	SCALE: 3/32"=1'0"	TITLE: PLUMBING PLAN GROUND FLOOR PLAN					
						APPRO' BY: BILAL KHAN	STATUS: COMPLETE	DRG. NO 2023 \ ARCH \ 01	

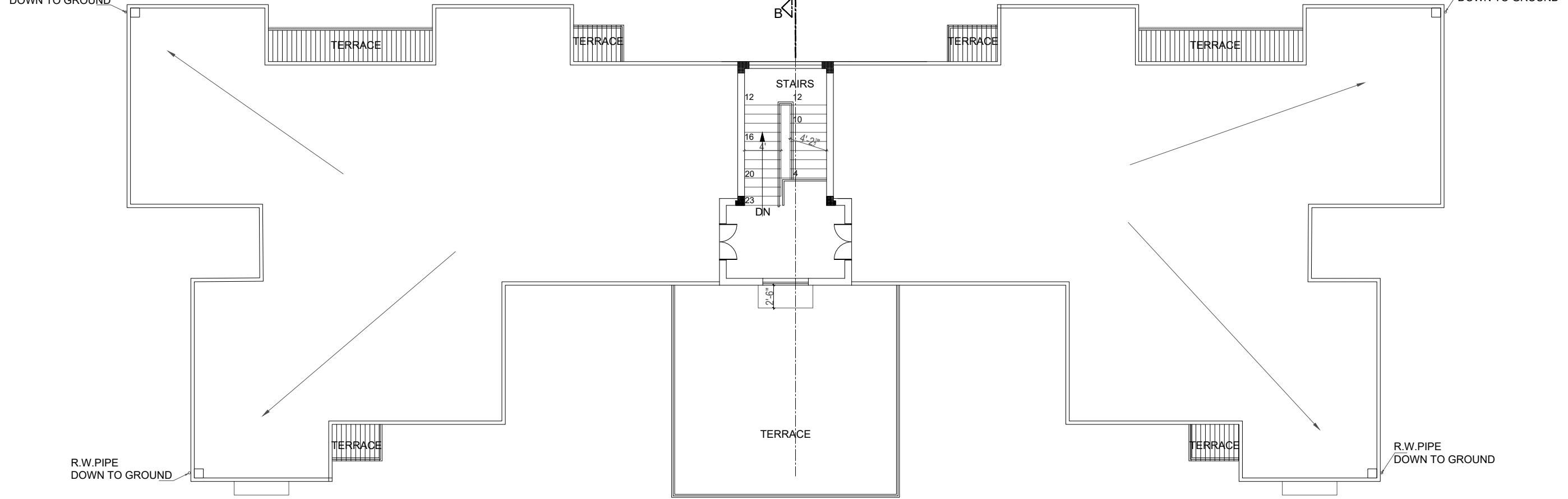


FIRST FLOOR PLUMBING PLAN
COVERED AREA 5585.00 Sft

CONSULTANTS:  ARCH ANGLE DESIGN STUDIO ARCHITECTS M: 03314584405 arc.angle.studio@gmail.com OFFICE 453, STREET 01, G-9/3, ISLAMABAD	CLIENT: PMDC	NOTES: <small>All right reserved.No parts of this drawing may be circulated, stored in retrieval system, or transmitted in any form or by any means i.e electronic, mechanical, photocopying, recording or otherwise without the prior permission of Arch Angle Design Studio</small>				DESIGN TEAM: Ar. BILAL KHAN Ar. M. FAROOQ	DRAWN BY: JAVED IQBAL	DATE: 21-10-2023	PROJECT: PMDC APARTMENTS
		CHECKED BY: M. FAROOQ	SCALE: 3/32"=1'0"	TITLE: PLUMBING PLAN FIRST FLOOR PLAN					
						APPRO' BY: BILAL KHAN	STATUS: COMPLETE	DRG. NO 2023 \ ARCH \ 02	

R.W.PIPE
DOWN TO GROUND

R.W.PIPE
DOWN TO GROUND



ROOF PLAN

CONSULTANTS:



ARCH ANGLE

DESIGN STUDIO

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No.	DATE:	REVISIONS:	CHK'D.

DESIGN TEAM:

Ar. BILAL KHAN
Ar. M. FAROOQ

DRAWN BY:
JAVED IQBAL

CHECKED BY:
M. FAROOQ

APPRO' BY:
BILAL KHAN

DATE:
21-10-2023

SCALE:
3/32"=1'0"

STATUS:
COMPLETE

PROJECT:
PMDC APARTMENTS

TITLE:
PLUMBING PLAN
MUMTY FLOOR PLAN

DRG. NO
2023 \ ARCH \ 03

PMDC APARTMENTS (WARCHA SALT MINES)

STRUCTURE

CONSTRUCTION DRAWINGS

29- DEC-2023

PMDC APARTMENTS (WARCHA SALT MINES)

LIST OF DRAWINGS

STRUCTURAL DRAWING		
S. NO:	DESCRIPTION OF DRAWING	DRG. NO:
00	COVER SHEET	
01	GENERAL NOTES	DR-S0A
02	GENERAL DETAIL	DR-S0B
03	GROUND & FIRST FLOOR PLAN (ARCHITECTURAL PLAN)	DR-S0A
04	FOUNDATION LAYOUT PLAN	DR-S01
05	FOUNDATION REINFORCEMENT DETAIL	DR-S02
06	COLUMN & PLINTH BEAM LAYOUT PLAN	DR-S03
07	COLUMN REINFORCEMENT DETAIL	DR-S04
08	FIRST FLOOR LINTEL LEVEL BEAM LAYOUT PLAN	DR-S05
09	FIRST FLOOR LINTEL BEAM REINFORCEMENT DETAIL	DR-S06
10	FLOOR SLAB REINFORCEMENT DETAIL BOTTOM LAYER	DR-S07
11	FIRST FLOOR TOP LEVEL BEAM REINFORCEMENT DETAIL	DR-S08
12	FLOOR SLAB REINFORCEMENT DETAIL TOP LAYER	DR-S09
13	2ND FLOOR LINTEL LEVEL BEAM LAYOUT PLAN	DR-S10
14	2ND FLOOR LINTEL BEAM REINFORCEMENT DETAIL	DR-S11
15	2ND FLOOR SLAB REINFORCEMENT DETAIL BOTTOM LAYER	DR-S12
16	2ND FLOOR SLAB REINFORCEMENT DETAIL TOP LAYER	DR-S13
17	TYP. STAIR DETAIL	DR-S14

STRUCTURAL GENERAL NOTES (INSTRUCTIONS TO CONTRACTOR)

1-STRUCTURAL SUMMARY

- PROJECT NAME :- KPHCIP SCHOOLS PROJECT
- SITE LOCATION:- PESHAWAR , NOWSHERA , SWABI & HARIPUR
- BUILDING OCCUPANCY:- EDUCATIONAL GROUP E, RISK CATEGORY II

2. SYSTEM OF UNITS

- ALL DIMENSIONS AND SPACING ETC. ARE IN INCHES AND FEET UNLESS OTHERWISE SPECIFIED.
- ALL ELEVATIONS ARE IN INCHES & FEET UNLESS OTHERWISE NOTED.

3-STRUCTURAL DESIGN CRITERIA

DESIGN STANDARD

- BCP 2021, BUILDING CODE OF PAKISTAN
- IBC 2018, INTERNATIONAL BUILDING CODE
- ACI 318 -19, AMERICAN CONCRETE INSTITUTE
- ASCE/SEI 7-16, AMERICAN SOCIETY OF CIVIL ENGINEER.

4-BUILDING STRUCTURAL CHARACTERISTIC

DESIGN STANDARD

- LATERAL FORCE RESISTING SYSTEM .
SPECIAL MOMENT RESISTING FRAME (REINFORCED CONCRETE)
- TYPE OF FOUNDATION : ISOLATED AND COMBINED FOOTINGS
- GRADE OF BUILDING, OCCUPANCY IMPORTANT FACTORS FOR LOAD

GEADE	WIND LOAD (Iw)	EARTHQUAKE (Ie)	SHOW LOAD (Is)	NOTE
SPECIAL	1.0	1.0	NOT APPLICABLE	

5-REINFORCED CONCRETE MATERIAL NOTES

- MATERIAL STRENGTH SHALL NOT EXCEED SPECIFIED STRENGTH BY RELEVANT SPECIFICATION .
- REBAR IN DRAWINGS IS DEFORMED BAR CONFORMING TO ASTM A615 GRADE 60.
- IN THE CASE OF PLACING CONCRETE IN CONTRACT WITH HARDENED CONCRETE, CONCRETE MIX DESIGN DOCUMENT SHALL BE PREPARED TO MINIMIZE DRYING SHRINKAGE. CONTRACTOR SHALL GET APPROVAL FROM THE DESIGNED PRIOR TO COMMENCEMENT OF THE WORK.
- DESIGN STRENGTH OF STRUCTURAL CONCRETE SHALL BE 3000PSI UNLESS NOTED OTHERWISE AND DESIGN STRENGTH OF LEAN CONCRETE SHALL BE 2000PSI.

6-FOUNDATION & GROUND CHARACTERISTIC

- GROUND
 - AVERAGE GROUND LEVEL : SHOWN ON LAYOUT PLAN.
 - ALLOWABLE BEARING CAPACITY OF GROUND : VARIES, GENERALLY 0.75TSF

7-GROUND WATER LEVEL

- GROUND WATER LEVEL
 - FOR BUOYANCY CHECKS: NOT APPLICABLE.

8-MAIN DESIGN LOAD

- DEAD LOAD (DL): REFERENCE TO STRUCTURAL DESIGN CALCULATIONS.
- MAIN LIVE LOAD (LL):

LIVE LOAD (PSF)	AREAS TO APPLY		
	ROOF	CLASSROOMS	CORRIDOR / STAIRS
	20	40	100

9-WIND LOAD (WL)

- WIND LOAD (NOT CONSIDERED IN THE DESIGN DUE TO LOW HEIGHT OF BUILDINGS)

FACTOR	BASIC DESIGN WIND SPEED	100 MPH
	GROUND SURFACE ROUGHNESS	C
	TOPOGRAPHIC FACTOR K_{zt}	1.0

10-EARTHQUAKE LOAD (EL)

- SPECTRAL RESPONSE ACCELERATION PARAMETER AT SHORT PERIOD= S_s
SPECTRAL RESPONSE ACCELERATION PARAMETER AT SHORT PERIOD OF 1 SEC= S_1

DISTRICT	S_s	S_1
PESHAWAR	0.8399	0.2943
SWABI	0.9554	0.3390
NOWSHERA	1.2259	0.3688
HARIPUR	1.2187	0.3650

SITE CLASS "D" [BCP-2021, Para 1613.2.2]
IMPORTANCE FACTOR $I_e=1.0$
RESPONSE MODIFICATION COEFFICIENT $R=8$
OVER STRENGTH FACTOR $\Omega_{EQ}=3.0$
DEFLECTION AMPLIFICATION FACTOR $C_d=5.5$

11-MAIN LOAD COMBINATIONS

LOAD COMBINATIONS	NOTE
$U = 1.4D$	D: DEAD LOAD
$U = 1.2D + 1.6L + 0.5(Lr \text{ or } S \text{ or } R)$	L: LIVE LOAD
$U = 1.2D + 1.6(Lr \text{ or } S \text{ or } R) + (1.0L \text{ or } 0.5W)$	Lr: ROOF LIVE LOAD
$U = 1.2D + 1.0W + 1.0L + 0.5(Lr \text{ or } S \text{ or } R)$	W: WIND LOAD
$U = 0.9D + 1.0W$	E: EARTHQUAKE LOAD
$U = 1.2D + Ev + Eh + L + 0.2S$	S: SNOW LOAD
$U = 0.9D - Ev + Eh$	
IF OVERSTRENGTH FACTOR IS CONSIDERED, $EM=F(EV+EMH)$	
$U = 1.2D + Ev + Emh + L + 0.2S$	
$U = 0.9D - Ev + Eh$	

12. CONCRETE

- FOUNDATION, COLUMN, BEAM & SLAB CONCRETE USED SHALL BE WITH MINIMUM COMPRESSIVE CYLINDER STRENGTH OF 3000 PSI. OR CUBE STRENGTH OF 3750 PSI @ 28 DAYS.
- APPROVAL OF JOB MIX FORMULA FOR CONCRETE FROM ENGINEER WILL BE REQUIRED PRIOR TO COMMENCEMENT OF WORK IN THIS REGARD.

13. REINFORCING STEEL

- ALL REINFORCING STEEL FOR REINFORCED CONCRETE SHALL BE 60,000PSI (GRADE 60) (400MPa) DEFORMED BARS.
- THE SHEAR REINFORCEMENT (STIRRUPS) IN ALL BEAMS/COLUMNS SHALL BE 60,000 PSI (400MPa)

14. CONCRETE PROTECTION TO REINFORCEMENT

MINIMUM CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS OTHERWISE SPECIFIED ON THE DRAWING.

STRUCTURAL ELEMENT	COVER
FOOTING	3"
COLUMNS & BEAMS	1 1/2"
SLABS	3/4"

15. LAP LENGTH

UNLESS OTHERWISE STATED ON THE DRAWING FOLLOWING LAP LENGTHS SHALL BE PROVIDED.

Bar Dia	$f_y=60,000$ psi	$f_c=3000$ Psi.
	Length of Lap Splice	
3/8"	22"	
1/2"	30"	
5/8"	38"	
3/4"	45"	
1"	60"	

16. LEVELS

THE LEVELS SHOWN ON STRUCTURAL DRAWINGS ARE STRUCTURAL FLOOR LEVELS. COORDINATE LEVELS WITH ARCHITECTURAL DRAWINGS

17. LOCAL ADJUSTMENT

LOCAL ADJUSTMENT TO ACCOMMODATE FIXTURES/ EMBEDMENT OPENINGS MAY BE MADE AT SITE BUT SUBJECT TO THE APPROVAL OF THE ENGINEER, AS LONG AS IT WOULD NOT MATERIALLY EFFECT THE DESIGN.

18. TOLERANCES AND DIMENSIONS

BEFORE THE FORM WORK IS LAID AT SITE THE CONTRACTOR MUST VERIFY AND CHECK OVERALL DIMENSIONS/ELEVATION OF THE STRUCTURE GIVEN IN THE STRUCTURAL DRAWINGS TO SEE IF THE FINISHED DIMENSION OR ELEVATION GIVEN ON THE DRAWING TALLY AFTER PROVIDING THE REQUIRED FINISH. THE ENGINEER REPRESENTATIVE SHALL VERIFY THE MEASUREMENT OF STRUCTURAL SIZES AND ELEVATION BE RECORDED IN RELEVANT POUR STEPS TO BE PUT UP BY THE CONTRACTOR AND TO BE APPROVED BY THE ENGINEER BEFORE EXECUTION PERMISSION TO PROCEED. PERMISSION SHALL NOT BE GRANTED IF DEVIATIONS ARE MORE THAN PERMISSIBLE TOLERANCES.

19. BACK FILL

BACK FILL SHELL BE COMPACTED IN LAYERS OF 12 INCH TO ACHIEVE DRY DENSITY OF AT LEAST 95% OF THE BACKFILL MATERIALS .

20. FORMWORK

- THE FORMWORK SHALL BE THOROUGHLY CLEANED AND MADE FREE FROM ALL SAWDUST, TIE - WIRE, DUCT DIRT AND OTHER DEBRIS BEFORE CONCRETING.
- ALL FORMWORK SHALL BE OF ADEQUATE STRENGTH AND SECURELY FIXED AND SEALED TO PREVENT LEAKAGE OR COLLAPSE.
- FORMWORK SHALL NOT BE REMOVED BEFORE TIME PERIOD SPECIFIED BELOW:
 - WALL, COLUMN AND VERTICAL FACES ---- 24 TO 48 HOURS AS MAY BE DECIDED BY THE ENGINEER IN CHARGE .
 - UNDER BEAMS
 - SPANNING UP TO 20 FEET ----- 14 DAYS
 - SPANNING OVER 20 FEET ----- 21 DAYS
 - FOR SLAB
 - SPANNING UP TO 15 FEET ----- 14 DAYS
 - SPANNING OVER 15 FEET ----- 21 DAYS

21. DEVELOPMENT LENGTH (ACI 318-19 SECTION 25.4

ALL WIRE MESH REINFORCEMENT SHALL BE LAPPED AT LEAST 2 MESH PANELS AND SECURELY TIED. ALL REINFORCING DEVELOPMENT LENGTHS SHALL BE TENSION DEVELOPMENT LENGTHS IN ACCORDANCE WITH THE CURRENT ACI 318 UNLESS NOTED OTHERWISE. REFER TO SCHEDULE BELOW.

(DEVELOPMENT LENGTH OF STRAIGHT DEFORMED BARS OR WIRES, INCLUDING ALL MODIFICATION FACTOR MUST NOT BE LESS THAN 12")

DEVELOPMENT LENGTH l_d FOR GRADE 60, UNCOATED REINFORCEMENT IN NORMAL WEIGHT CONCRETE			
BAR DIA	DEVELOPMENT LENGTHS (STRAIGHT BARS)	STANDARD HOOKS)	
		$f_c=3000$ Psi.	$f_c=3000$ Psi.
#3	17"	9"	
#4	22"	11"	
#5	28"	14"	
#6	33"	17"	

TABLE DEFLECTION REQUIREMENT FOR BEAM & SLAB PRE CAMBERING OF BEAM& SLABS		
SR. NO	SPAN	A
1	Span to 10 ft	0.5"
2	11 to 15 ft	0.75"
3	16 to 20 ft	1.0"
4	21 to 25 ft	1.25"
5	26 to 30 ft	1.50"
6	31 to 35 ft	1.75"
7	36 to 40 ft	2.0"
8	41 to 45 ft	2.25"

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IKRAM

DESIGN BY:

ENGR. ZEESHAN

REVISIONS

DATE

CLINT NAME:

PMDC

ISSUED FOR:

TYPE OF DRAWING

CONSTRUCTION DRAWINGS

STRUCTURE

DATE

29-DEC-2023

SCALE

NTS

DESIGN BY:

TITLE

GENERAL NOTES

REVISION

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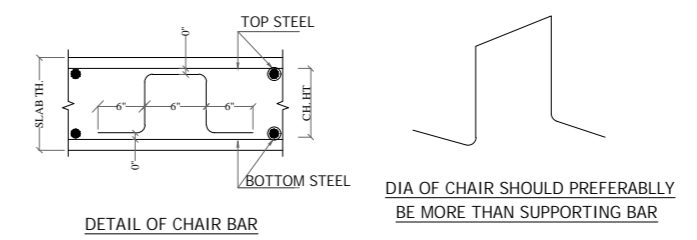
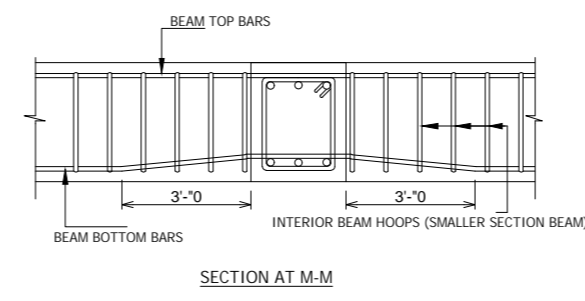
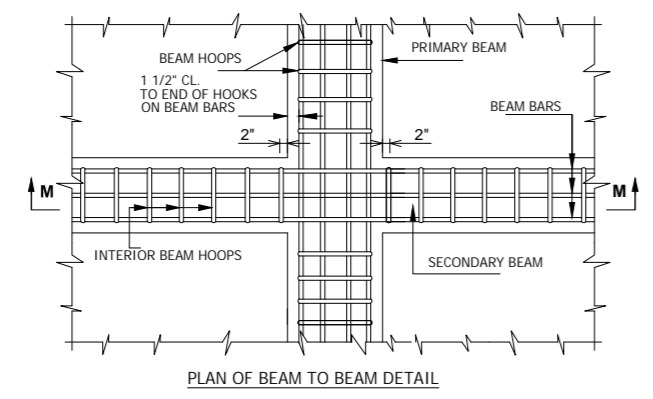
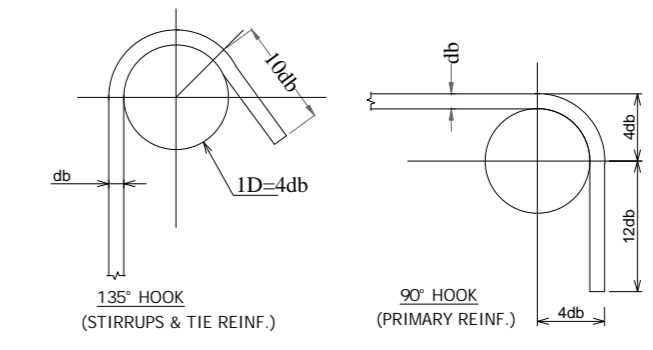
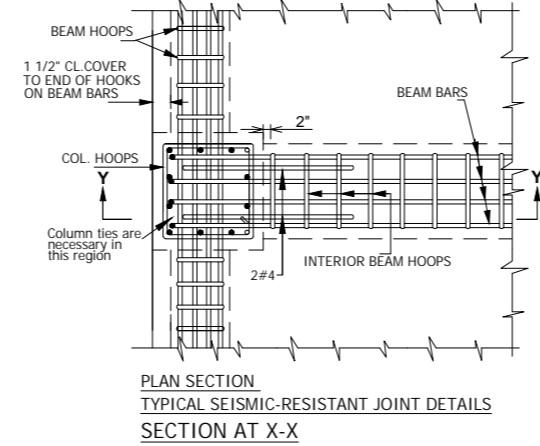
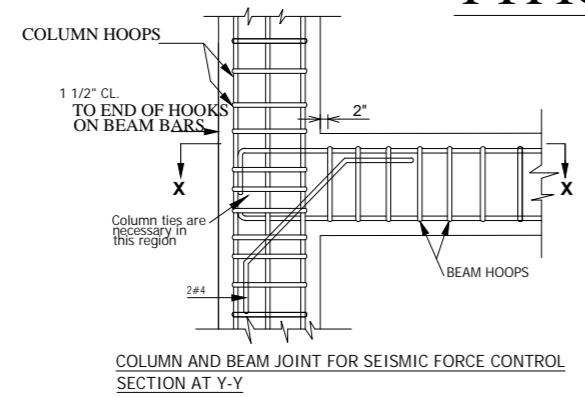
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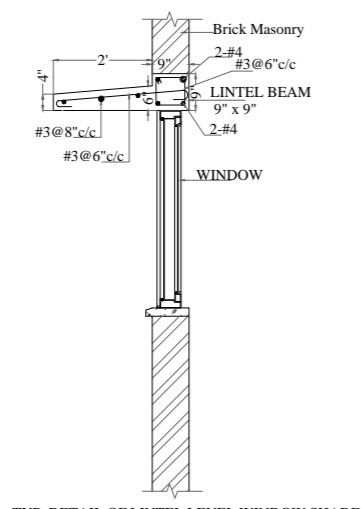
PROJECT

**PMDC APARTMENTS
(WARCHA SALT MINES)**

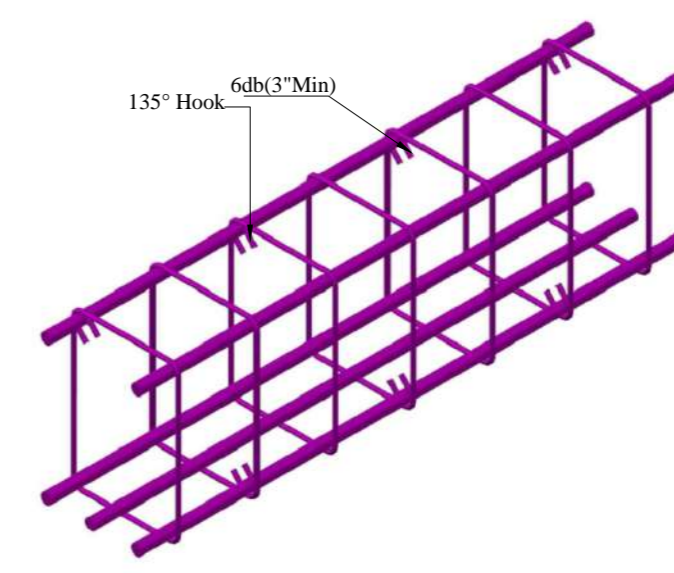
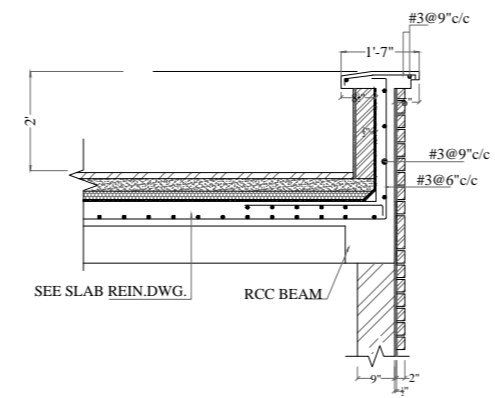
TYPICAL GENERAL DETAILS



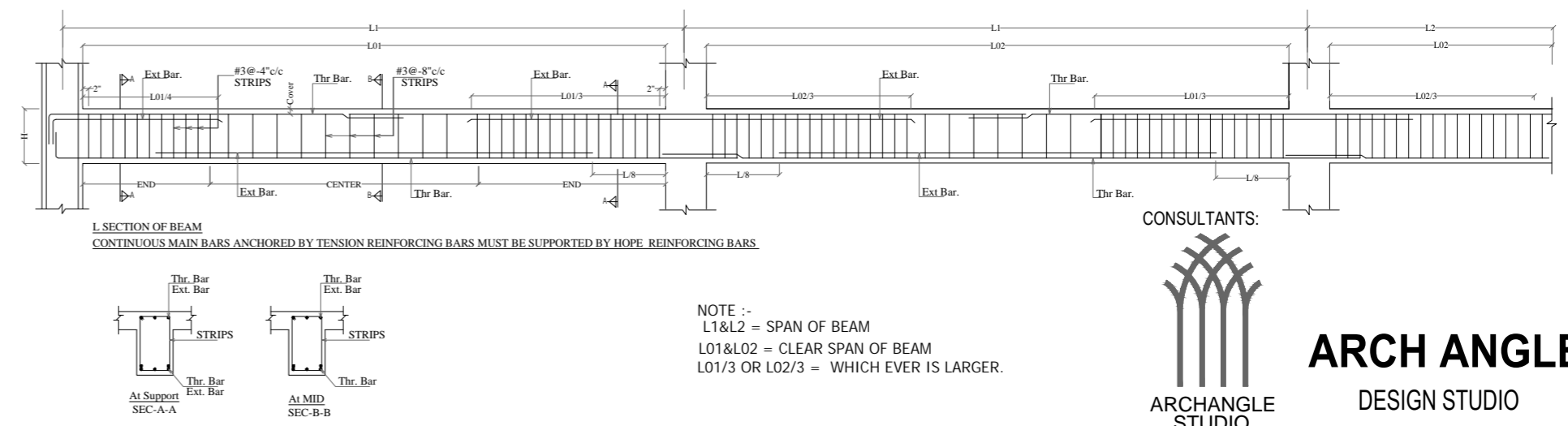
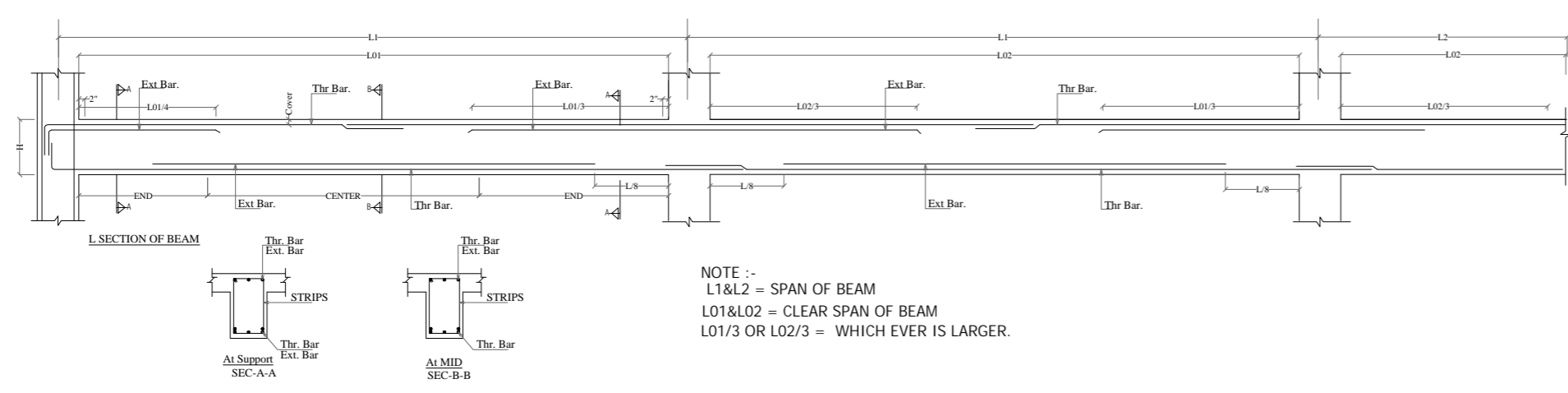
1. CHAIR BARS SHOULD AT LEAST EQUAL TO THE DIA OF TOP STEEL USED.
2. SPACING OF CHAIR BARS SHOULD NOT BE MORE THAN 48\"
3. REFER TO SECTION OF CHAIR BAR FOR BETTER UNDERSTANDING.



IMPORTANT NOTE :
FORMWORK FOR THE SHADE SHALL NOT BE REMOVAL
PRIOR TO CONSTRUCTION OF MASONRY OVER
LINTEL AND ROOF /FLOOR BEAMS .



SEISMIC HOOK DETAIL



CONSULTANTS:

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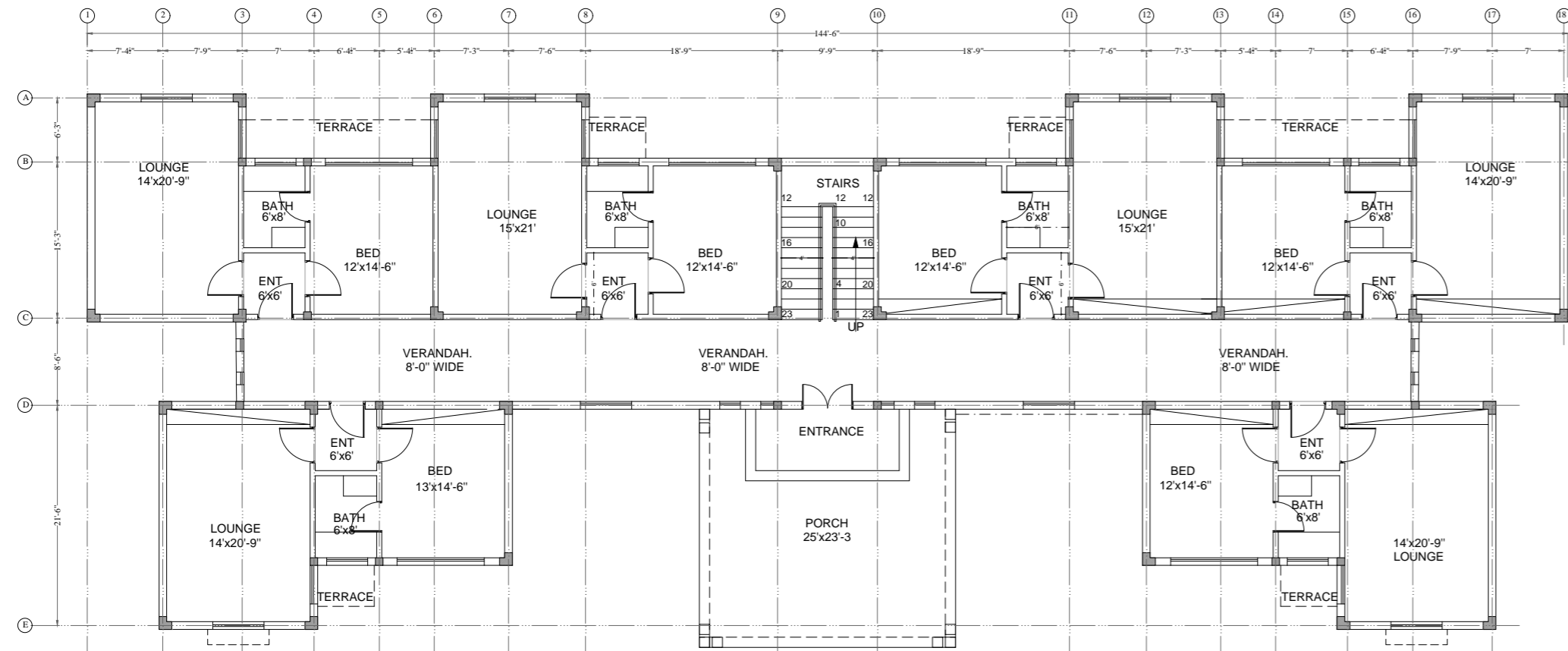
DRAWN BY:	IKRAM
DESIGN BY:	ENGR. ZEESHAN
REVISIONS	DATE

CLINT NAME:	PMDC
ISSUED FOR:	CONSTRUCTION DRAWINGS
DATE	29-DEC-2023
TYPE OF DRAWING	STRUCTURE
SCALE	NTS

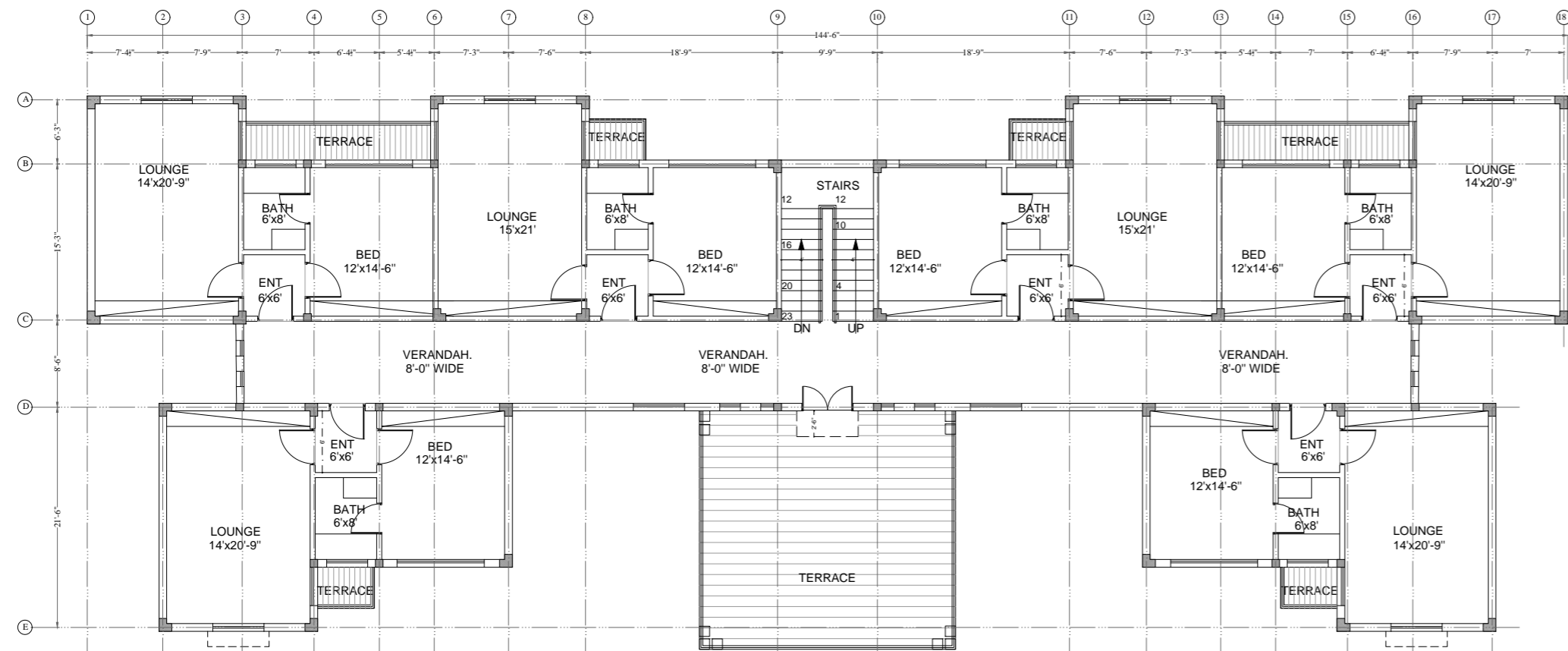
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TITLE	GENERAL DETAILS
REVISION	00
DWG No.	Str- 0B

PROJECT

PMDC APARTMENTS
(WARCHA SALT MINES)

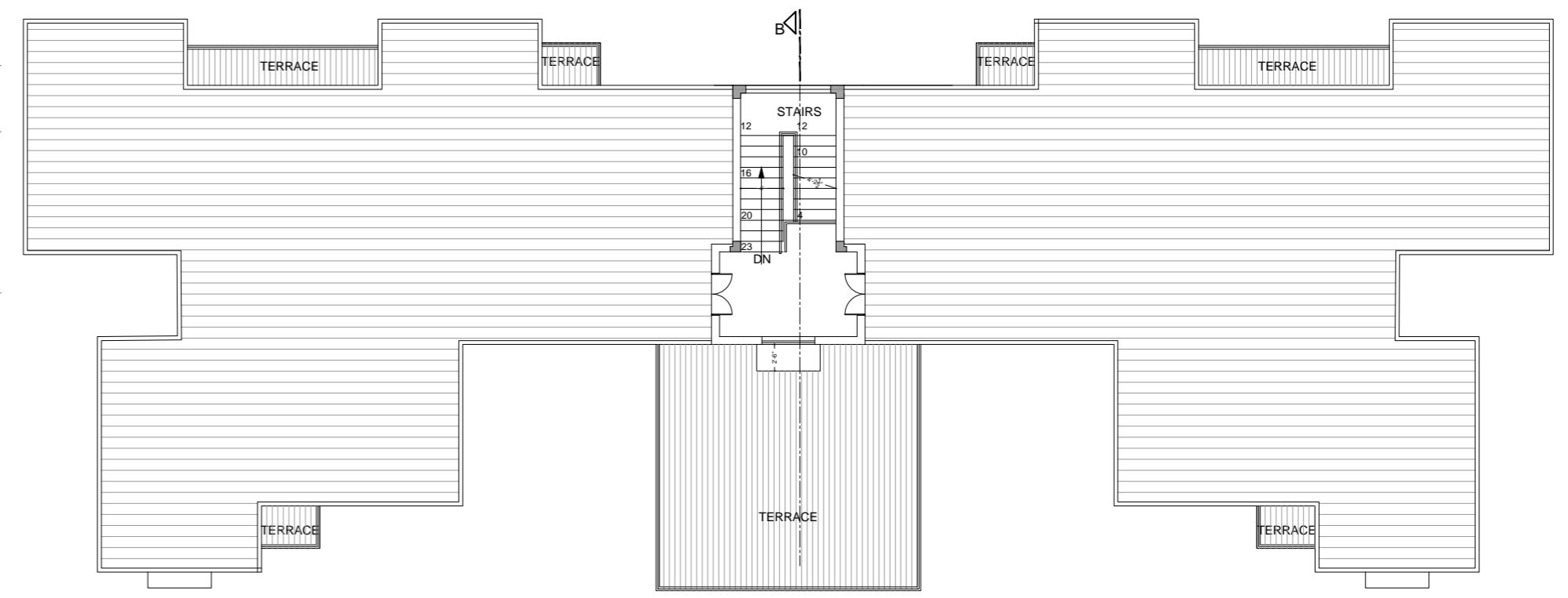


GROUND FLOOR PLAN
COVERED AREA 5585.00 Sft



FIRST FLOOR PLAN
COVERED AREA 5585.00 Sft

ARCHITECTURAL REFERENCE PLAN



ROOF PLAN

CONSULTANTS:



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DRAWN BY:

IKRAM

DESIGN BY:

ENGR. ZEESHAN

REVISIONS

DATE

CLINT NAME:

PMDC

ISSUED FOR:

CONSTRUCTION DRAWINGS

DATE

29-DEC-2023

TYPE OF DRAWING

STRUCTURE

SCALE

NTS

DESIGN BY:

TITLE

ARCHITECTURAL REF. PLAN

REVISION

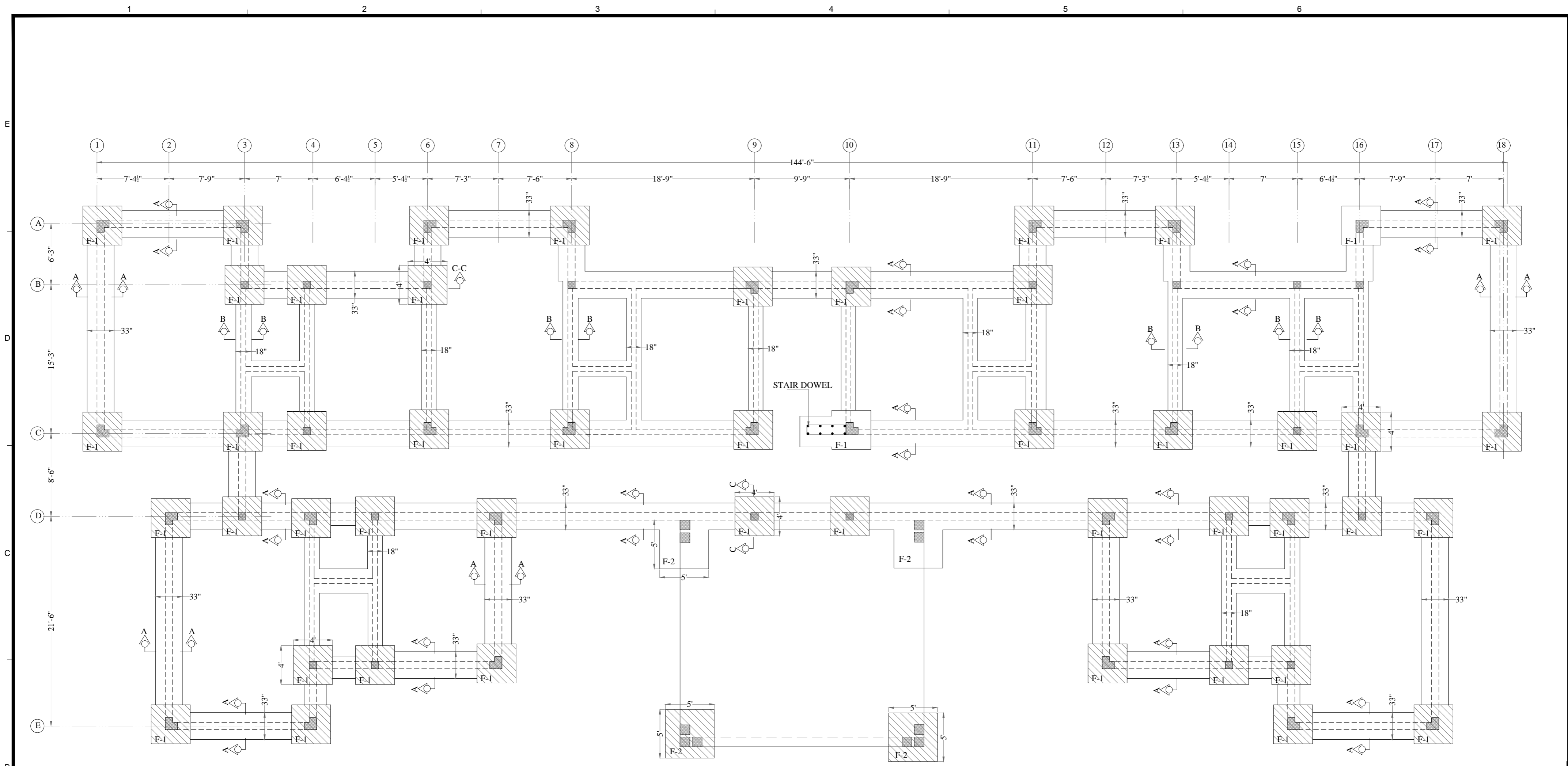
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DWG No.

Str- A-01

PROJECT

**PMDC APARTMENTS
(WARCHA SALT MINES)**



FOUNDATION LAYOUT PLAN

CONSULTANTS:

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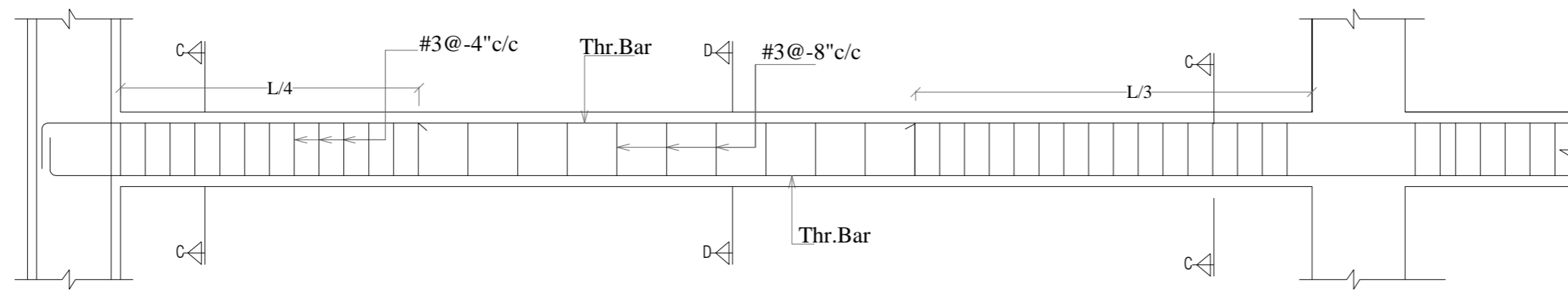
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DESIGN BY: ENGR. ZEESHAN	
REVISIONS	DATE

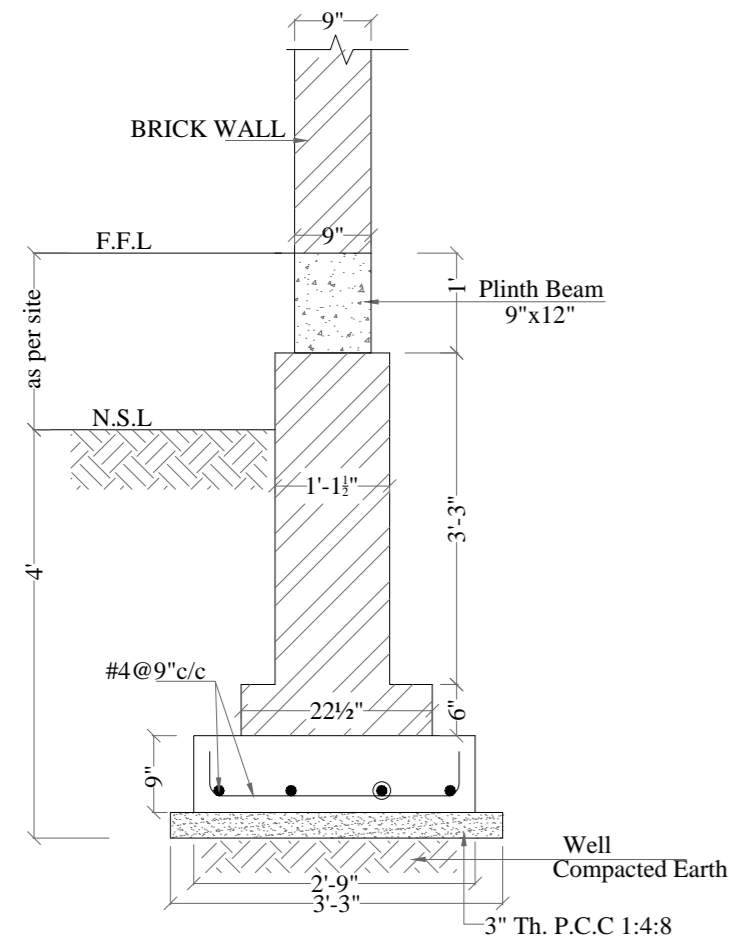
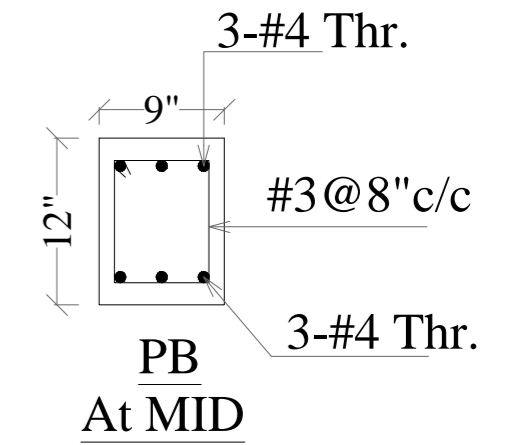
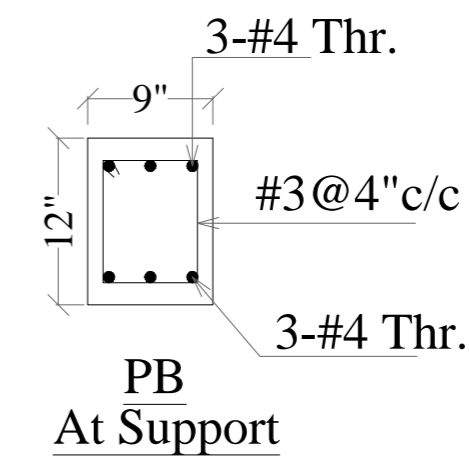
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ISSUED FOR: CONSTRUCTION DRAWINGS	TYPE OF DRAWING STRUCTURE
DATE 29-DEC-2023	SCALE NTS

DESIGN BY:	
TITLE FOUNDATION LAYOUT PLAN	
REVISION 00	DWG No. Str- 01

PROJECT
PMDC APARTMENTS (WARCHA SALT MINES)

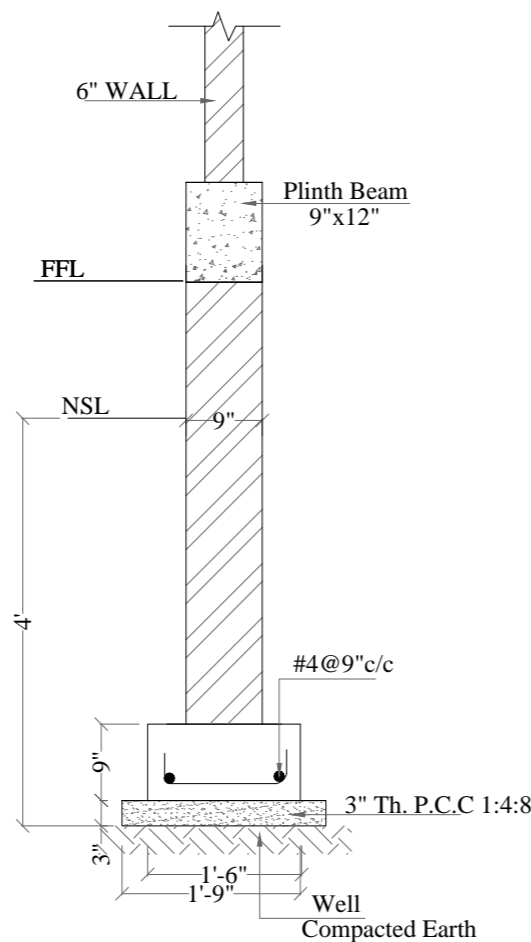


(TYPICAL) L SECTION OF PLINTH BEAM
(Thr. Bar)



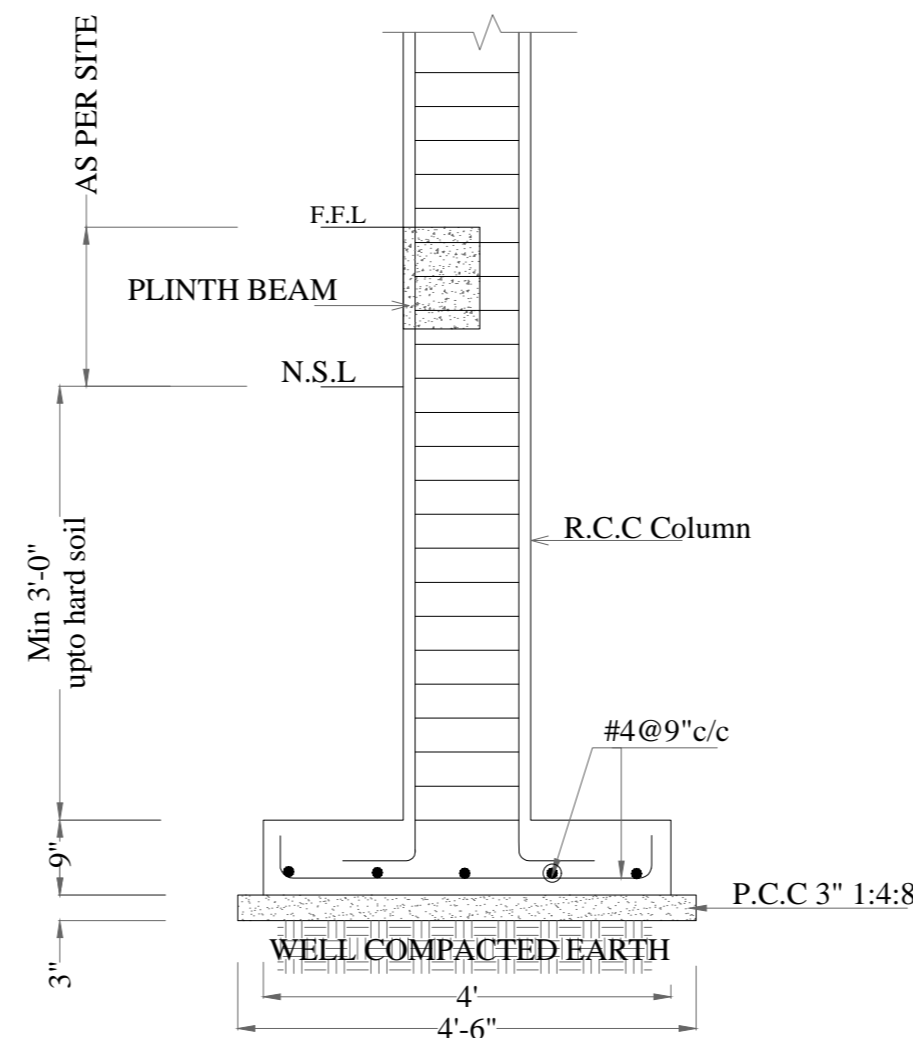
TYPICAL SECTION OF 9" WALL
SECTION A-A

NOTE: THE FOOTING PAD IS SYMMETRIC
AT WALL CENTER LINE

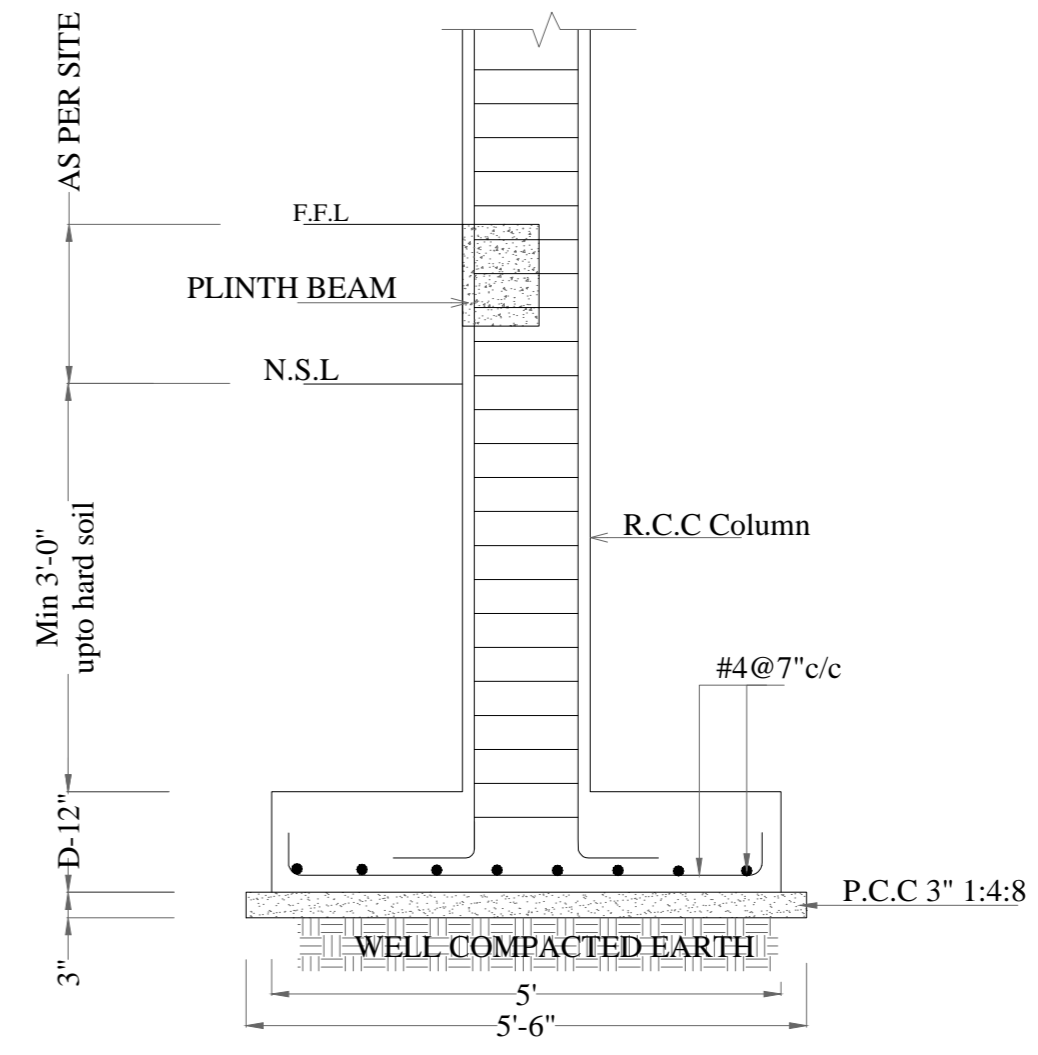


6" WALL FOUNDATION
SECTION B-B

NOTE: THE FOOTING PAD IS SYMMETRIC
AT WALL CENTER LINE



FOOTING F-1
SEC-C-C



FOOTING F-2

1. NSL refers to natural surface level and not made-up ground or fill level.
2. The foundation pad shall be kept on firm strata at least 4'-0" below NSL.
3. The distance "y" above NSL up to FFL is variable. The site engineer shall decide this distance based on ground conditions and recommendation of geotechnical engineer. In any case the distance "y" shall not be more than 3 feet or if required prior approval from the consultant shall be required. If more than 7 feet excavation is required, the consultant shall be informed to make appropriate revision in the design.

CONSULTANTS:



ARCH ANGLE
DESIGN STUDIO

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IKRAM

DESIGN BY:

ENGR. ZEESHAN

REVISIONS

DATE

CLINT NAME:

PMDC

ISSUED FOR:

TYPE OF DRAWING

CONSTRUCTION DRAWINGS

STRUCTURE

DATE

29-DEC-2023

SCALE

NTS

DESIGN BY:

TITLE

FOUNDATION LAYOUT PLAN
& PLINTH BEAM REINFORCEMENT.

REVISION

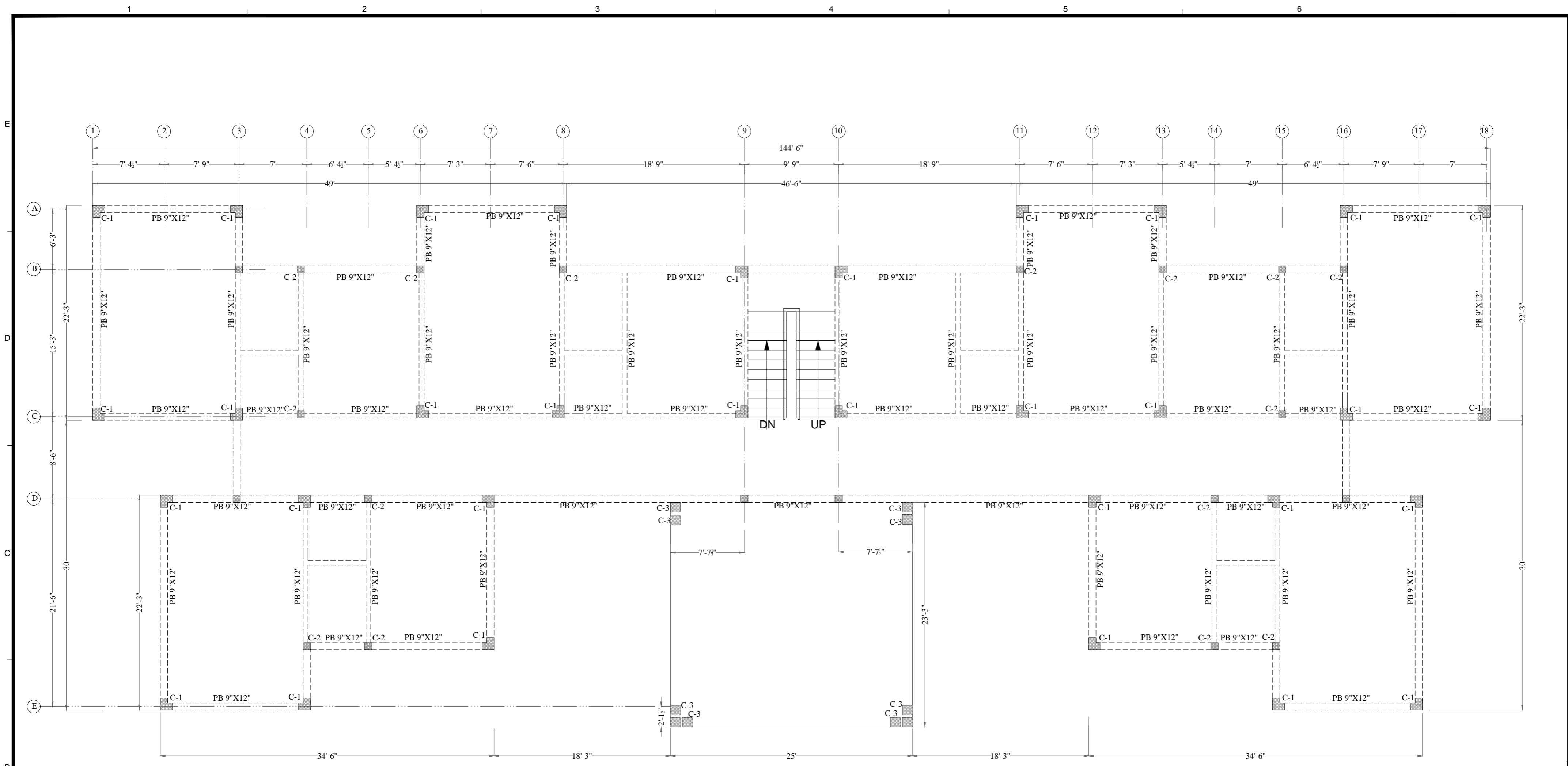
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DWG No.

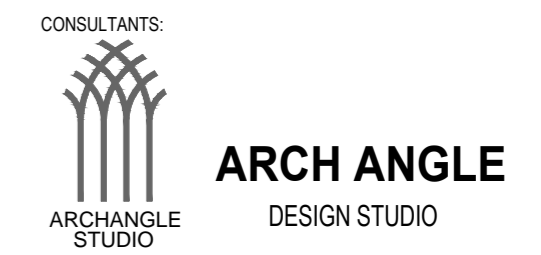
Str- 02

PROJECT

PMDC APARTMENTS
(WARCHA SALT MINES)



COLUMN LAYOUT PLAN & PLINTH BEAM



CONSULTANTS:
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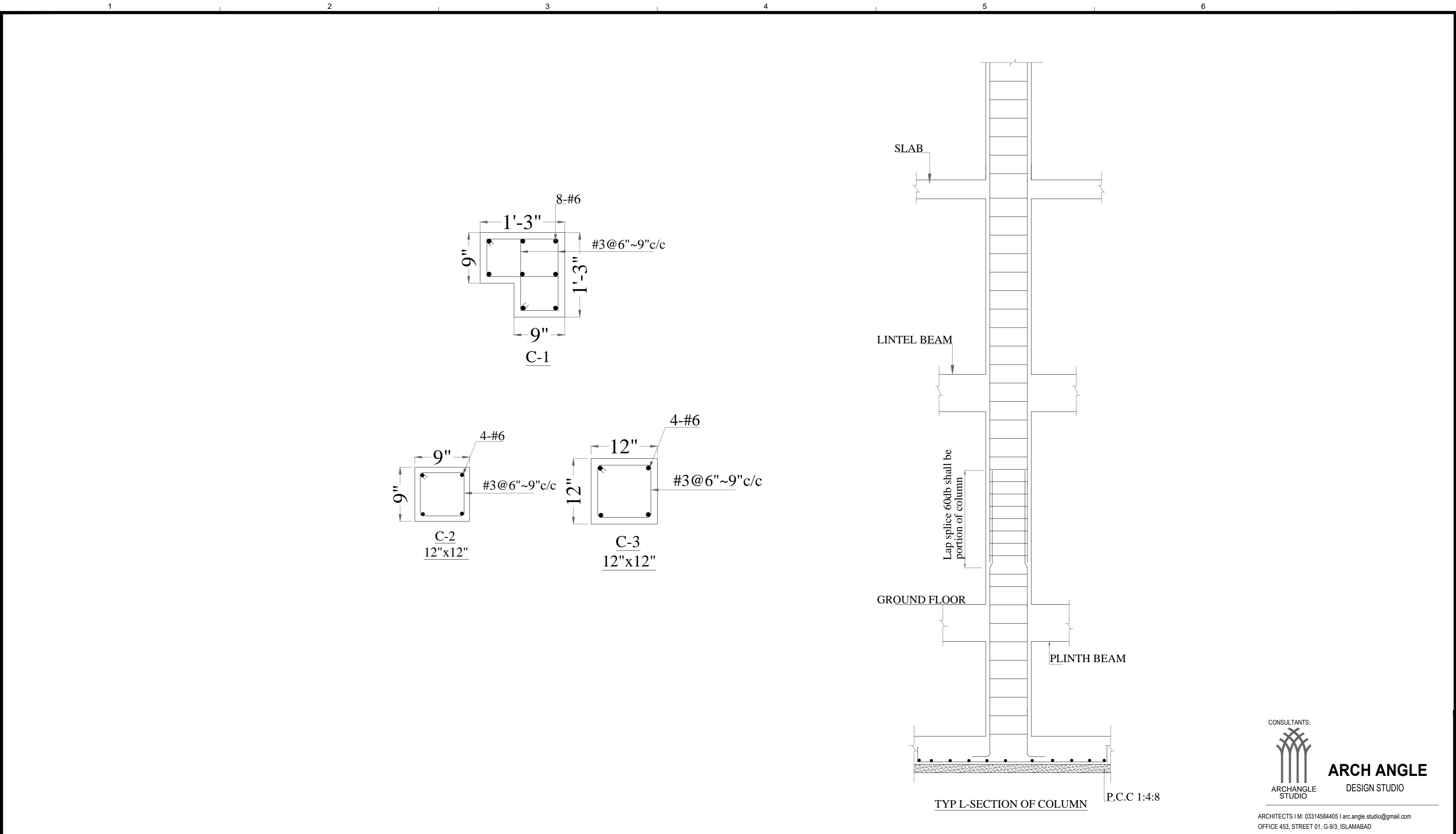
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REVISIONS	DATE

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ISSUED FOR:	CONSTRUCTION DRAWINGS
DATE	29-DEC-2023
TYPE OF DRAWING	STRUCTURE
SCALE	NTS

DESIGN BY:	
TITLE	COLUMN & PLINTH BEAM PLAN
REVISION	00
DWG No.	Str- 03

PROJECT
PMDC APARTMENTS (WARCHA SALT MINES)



CONSULTANTS:

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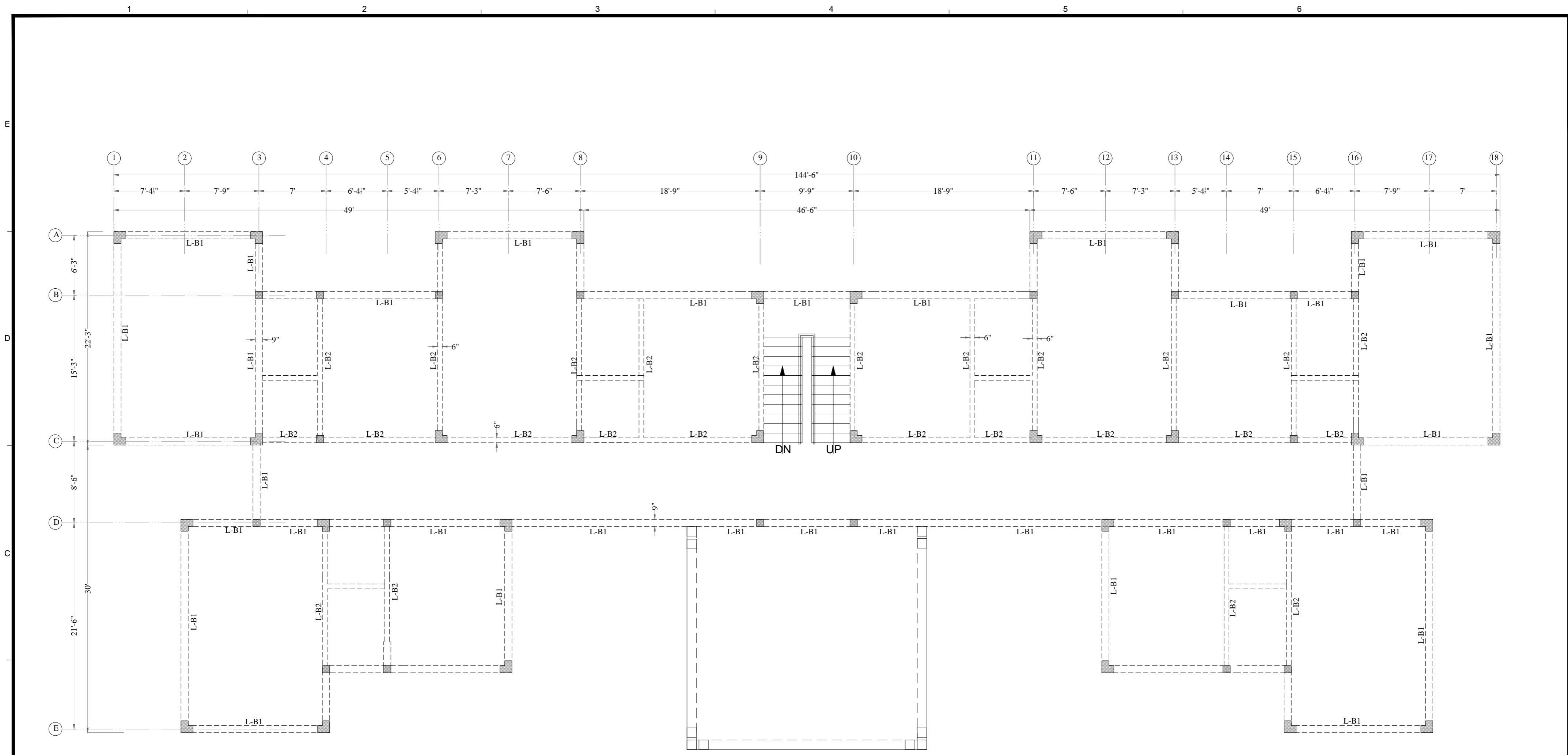
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REVISIONS	DATE

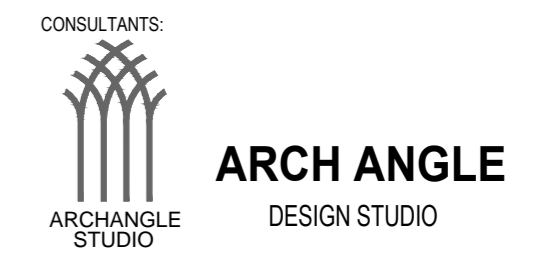
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ISSUED FOR: CONSTRUCTION DRAWINGS	TYPE OF DRAWING STRUCTURE
DATE 29-DEC-2023	SCALE NTS

DESIGN BY:	
TITLE COLUMN REINFORCEMENT DETAIL	
REVISION 00	DWG No. Str- 04

PROJECT
PMDC APARTMENTS (WARCHA SALT MINES)



FIRST FLOOR
LINTEL LEVEL BEAM PLAN



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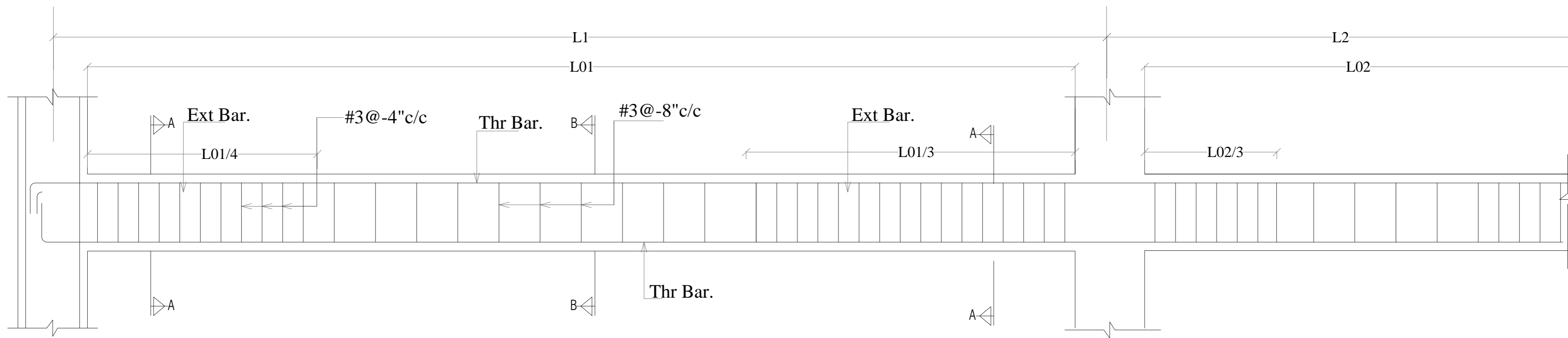
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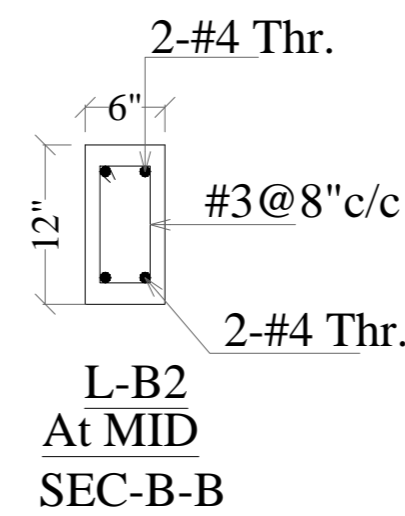
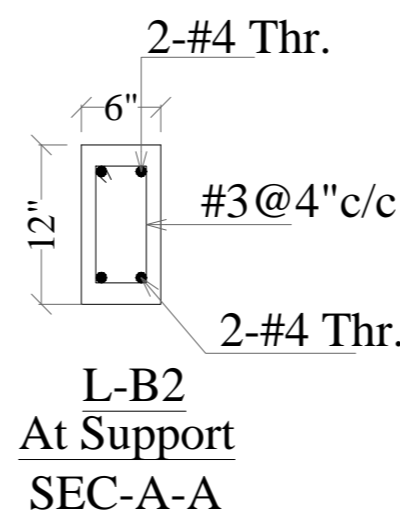
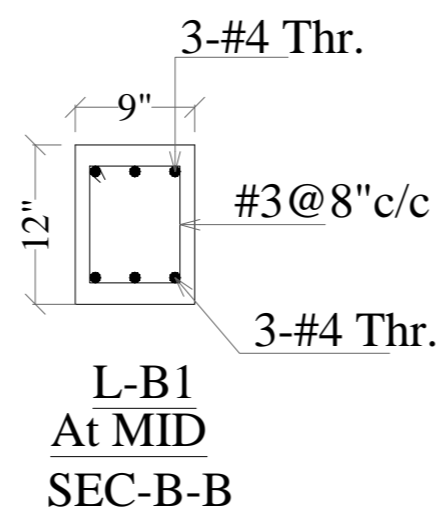
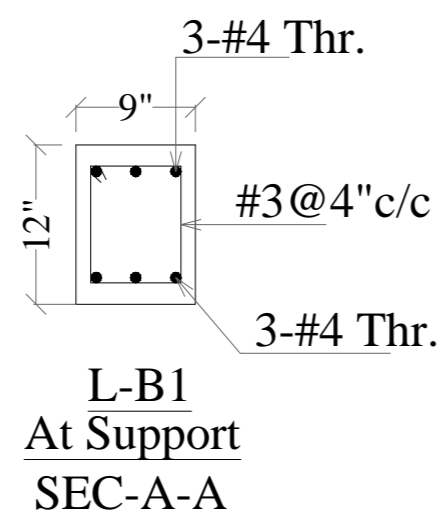
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DATE 29-DEC-2023	SCALE NTS

DESIGN BY:	
TITLE FIRST FLOOR LINTEL BEAM	
REVISION 00	DWG No. Str- 05

PROJECT
**PMDC APARTMENTS
(WARCHA SALT MINES)**



L SECTION OF LINTEL BEAM (L-B1)



NOTE :-
 L1&L2 = SPAN OF BEAM
 L01&L02 = CLEAR SPAN OF BEAM
 L01/3 OR L02/3 = WHICH EVER IS LARGER.

CONSULTANTS:



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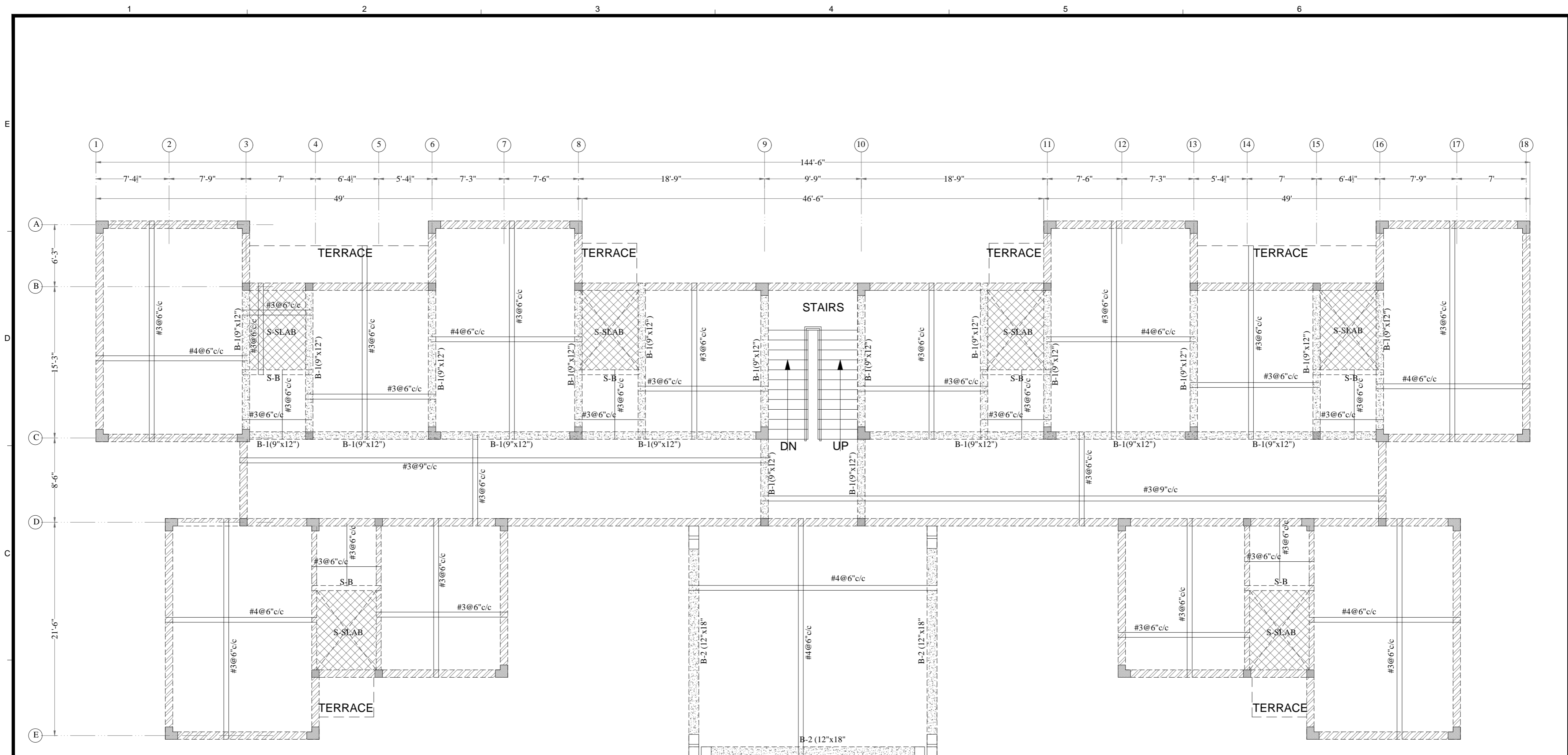
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DATE 29-DEC-2023	SCALE NTS

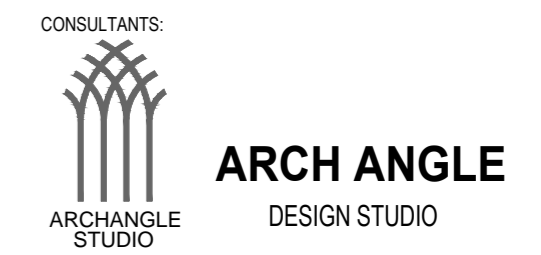
DESIGN BY:	
TITLE FIRST FLOOR LINTEL BEAM	
REVISION 00	DWG No. Str- 06

PROJECT

**PMDC APARTMENTS
(WARCHA SALT MINES)**



FIRST FLOOR BEAM & SLAB REINFORCEMENT DETAIL
BOTTOM LAYER



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DESIGN BY:	ENGR. ZEESHAN	
REVISIONS	DATE	

CLINT NAME:	PMDC	
ISSUED FOR:	CONSTRUCTION DRAWINGS	
DATE	29-DEC-2023	
TYPE OF DRAWING	STRUCTURE	
SCALE	NTS	

DESIGN BY:	
TITLE	FIRST FLOOR SLAB PLAN BOTTOM LAYER
REVISION	00
DWG No.	Str- 07

PROJECT
PMDC APARTMENTS
(WARCHA SALT MINES)

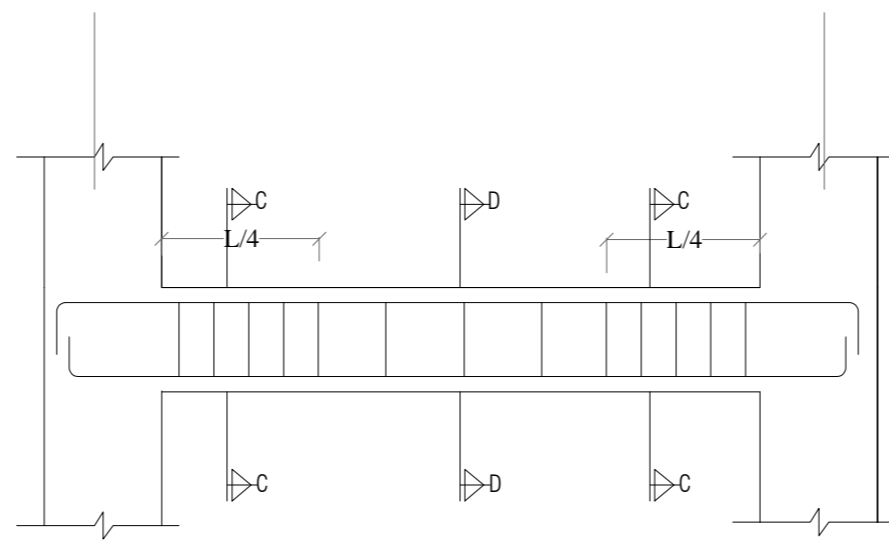
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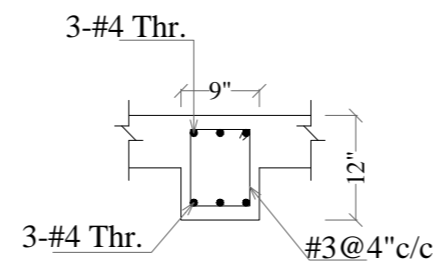
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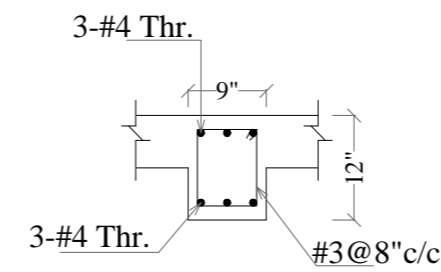
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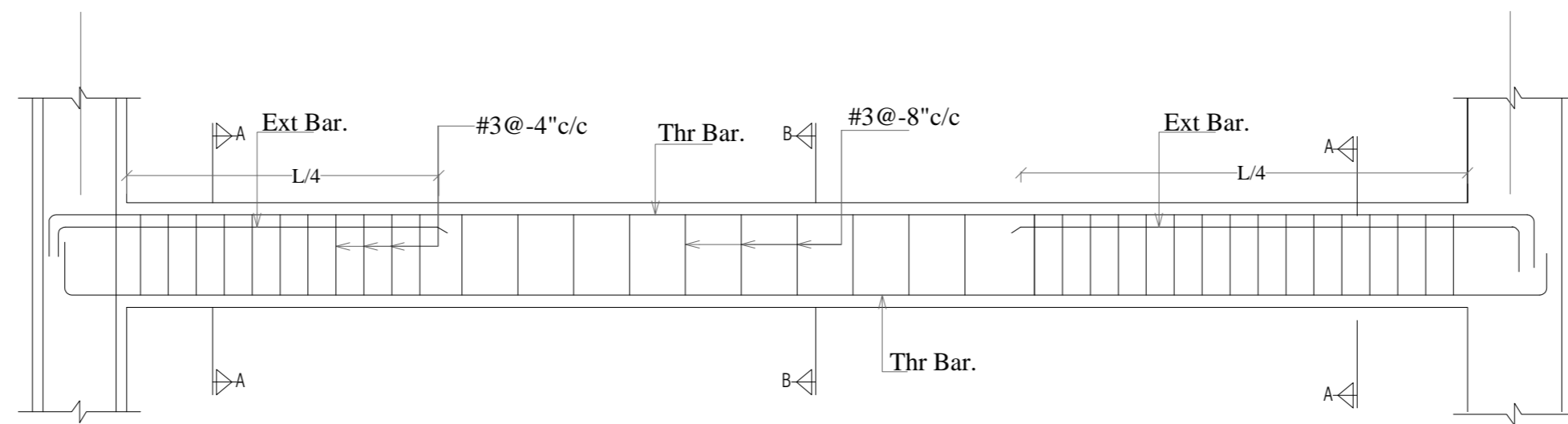
L SECTION OF FIRST FLOOR TOP LEVEL BEAM (B-1)



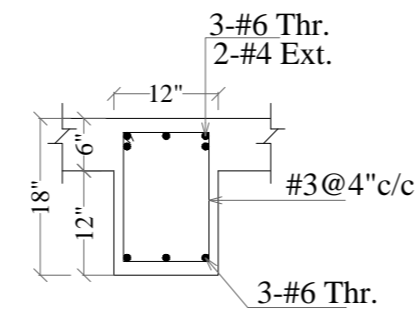
B-1 (9"x12")
At MID
SEC-C-C



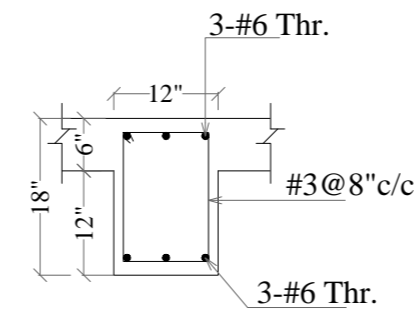
B-1 (9"x12")
At Support
SEC-D-D



L SECTION OF FIRST FLOOR TOP LEVEL BEAM (B-2)



B-2 (12"x18")
At Support
SEC-A-A



B-2 (12"x18")
At MID
SEC-B-B

CONSULTANTS:



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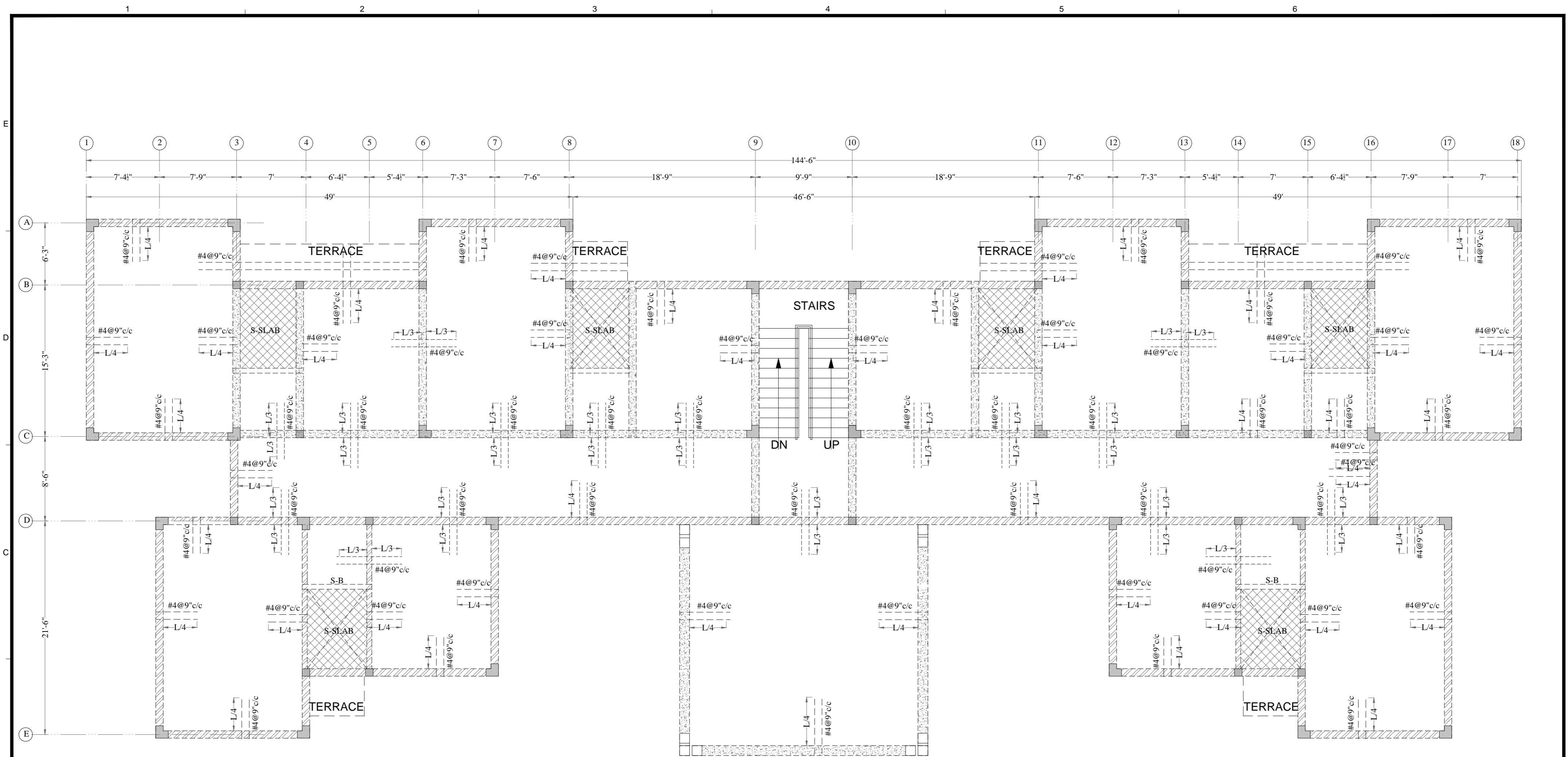
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REVISIONS	DATE		

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CONSTRUCTION DRAWINGS	STRUCTURE		
DATE	SCALE		
29-DEC-2023	NTS		

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TITLE		FIRST FLOOR BEAM REIN.	
REVISION	DWG No.		
00	Str- 08		

PROJECT

PMDC APARTMENTS
(WARCHA SALT MINES)



**FIRST FLOOR SLAB REINFORCEMENT DETAIL
TOP LAYER**

CONSULTANTS:



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DATE

CLINT NAME:

PMDC

ISSUED FOR:

CONSTRUCTION DRAWINGS

DATE

29-DEC-2023

TYPE OF DRAWING

STRUCTURE

SCALE

NTS

DESIGN BY:

TITLE

FIRST FLOOR SALB PLAN TOP LAYER

REVISION

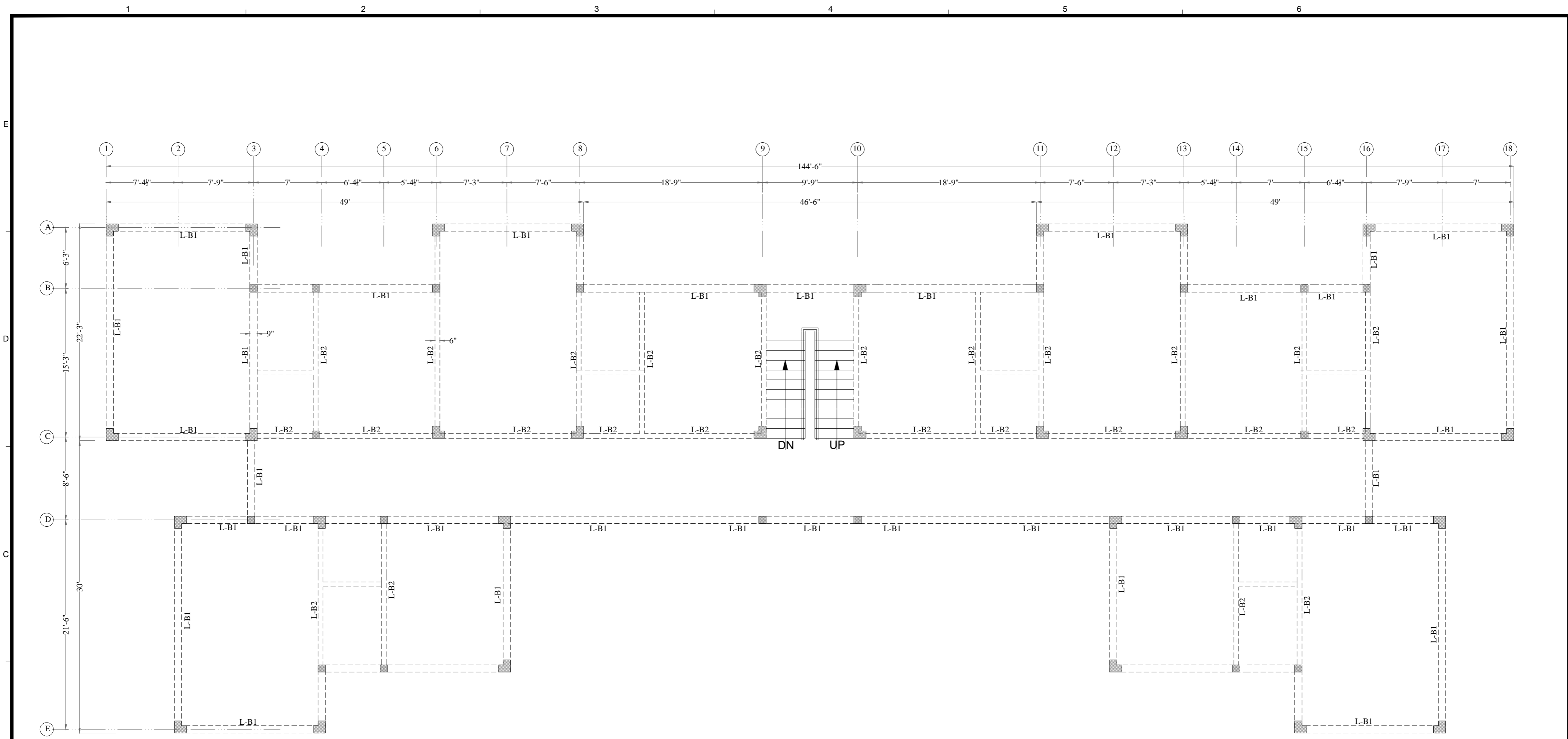
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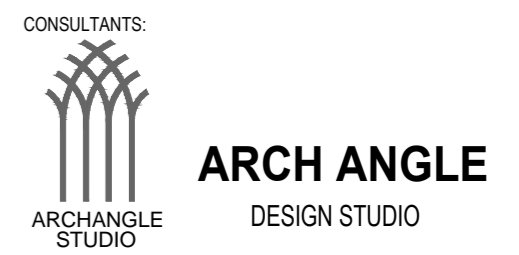
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PROJECT

**PMDC APARTMENTS
(WARCHA SALT MINES)**



**2ND FLOOR
LINTEL LEVEL BEAM PLAN**



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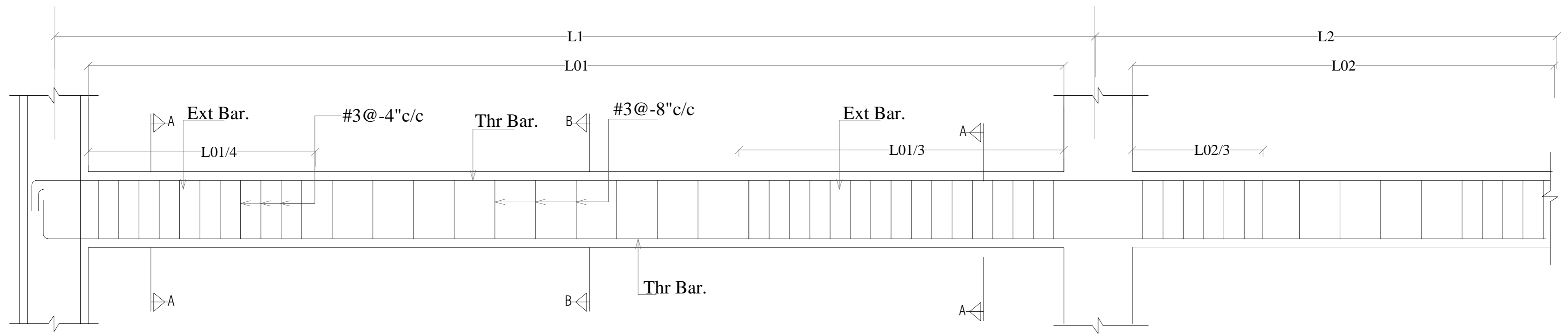
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REVISIONS	DATE	

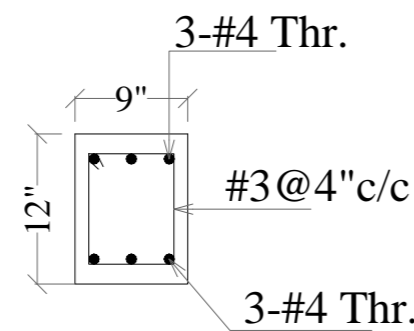
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REVISION	00
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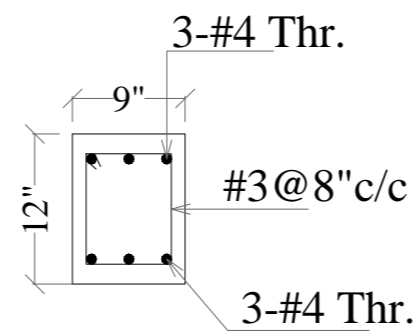
PROJECT
**PMDC APARTMENTS
(WARCHA SALT MINES)**



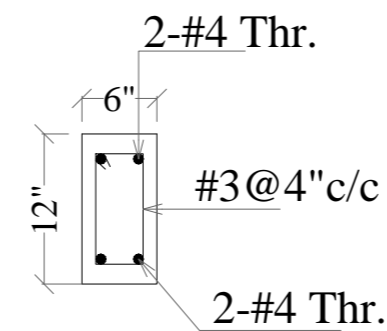
L SECTION OF LINTEL BEAM (L-B1)



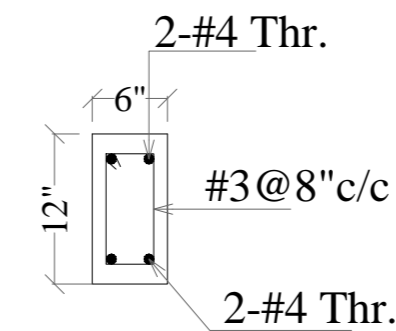
**L-B1
At Support
SEC-A-A**



**L-B1
At MID
SEC-B-B**



**L-B2
At Support
SEC-A-A**



**L-B2
At MID
SEC-B-B**

CONSULTANTS:



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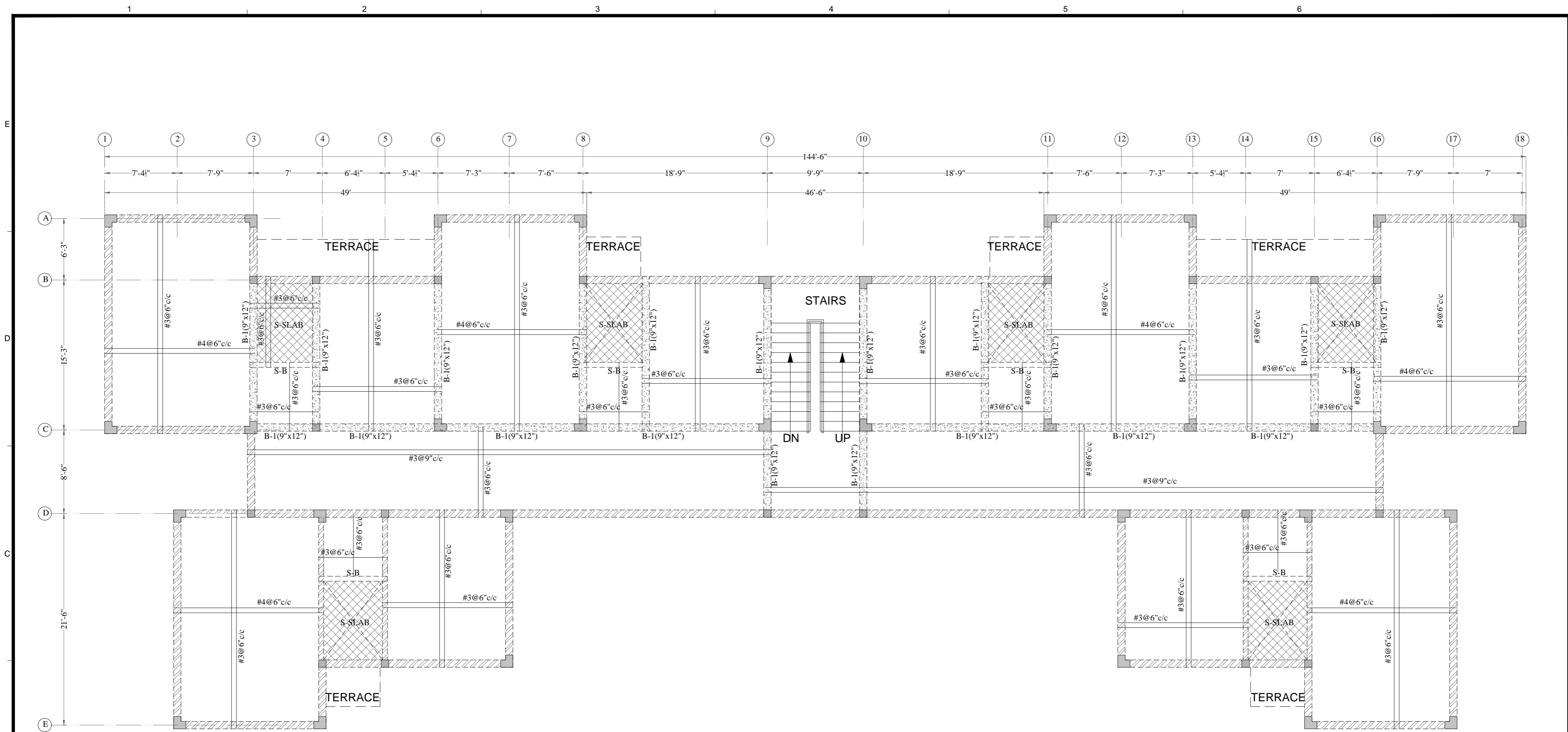
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DESIGN BY:		ENGR. ZEESHAN	
REVISIONS	DATE		

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CONSTRUCTION DRAWINGS	STRUCTURE		
DATE	SCALE		
29-DEC-2023	NTS		

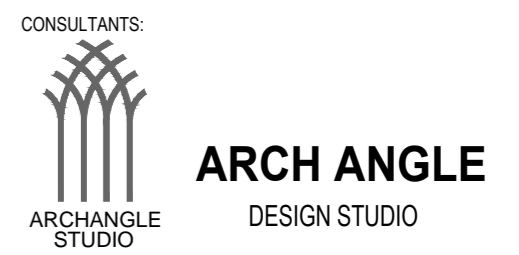
DESIGN BY:		
TITLE		L SECTION OF 2ND FLOOR BEAM REIN.
REVISION	DWG No.	Str- 11
00		

PROJECT

**PMDC APARTMENTS
(WARCHA SALT MINES)**



**2N FLOOR SLAB & BEAM REINFORCEMENT DETAIL
BOTTOM LAYER**



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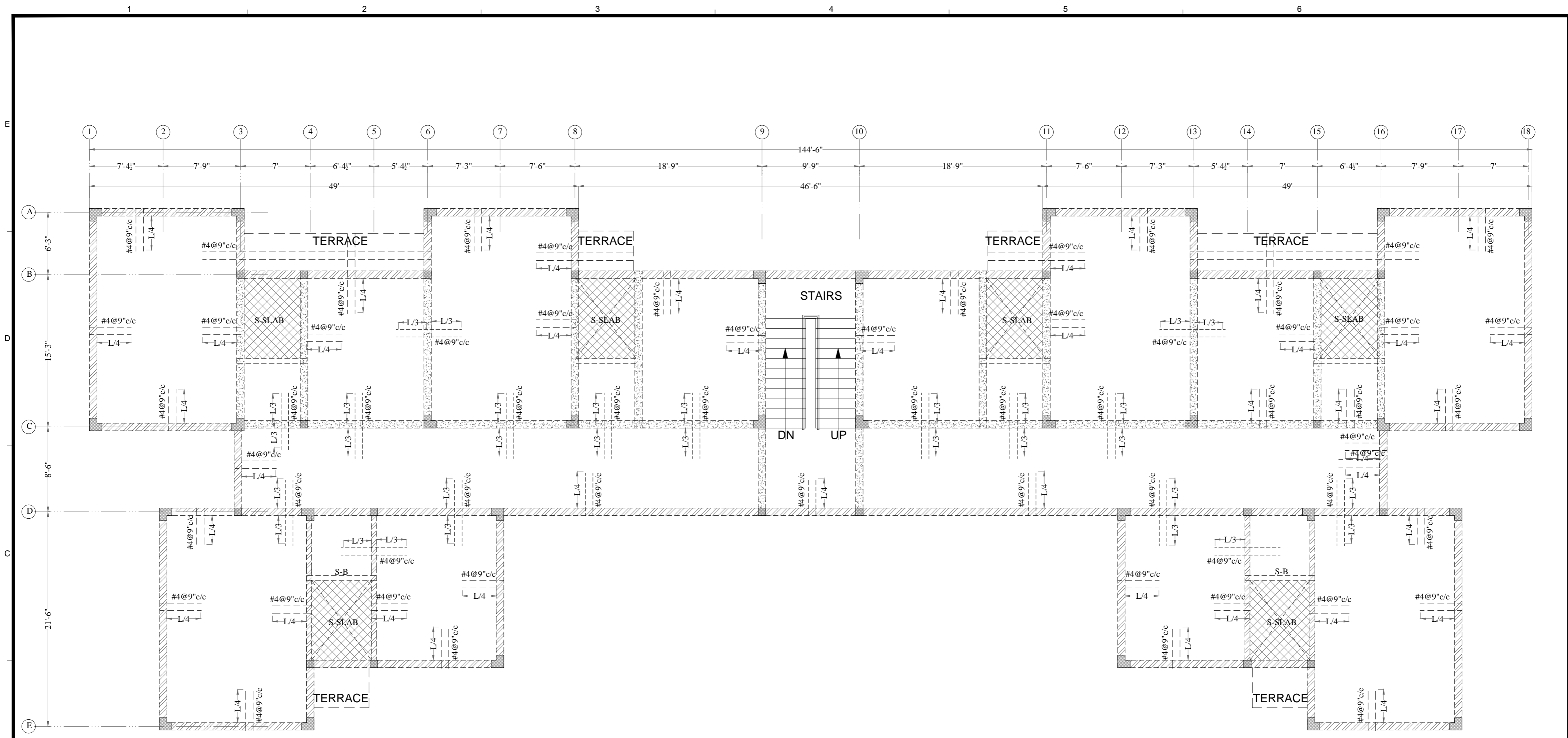
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DESIGN BY: ENGR. ZEESHAN	
REVISIONS	DATE

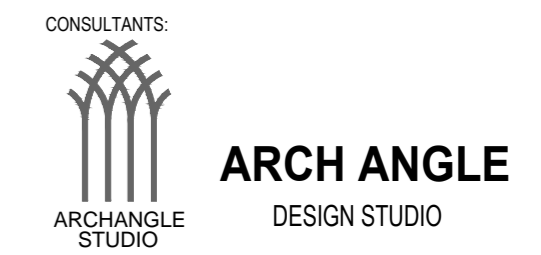
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DATE 29-DEC-2023	SCALE NTS

DESIGN BY:	
TITLE 2ND FLOOR SLAB PLAN BOTTOM LAYER	
REVISION 00	DWG No. Str- 12

PROJECT
**PMDC APARTMENTS
(WARCHA SALT MINES)**



**2ND FLOOR SLAB REINFORCEMENT DETAIL
TOP LAYER**



CONSULTANTS:
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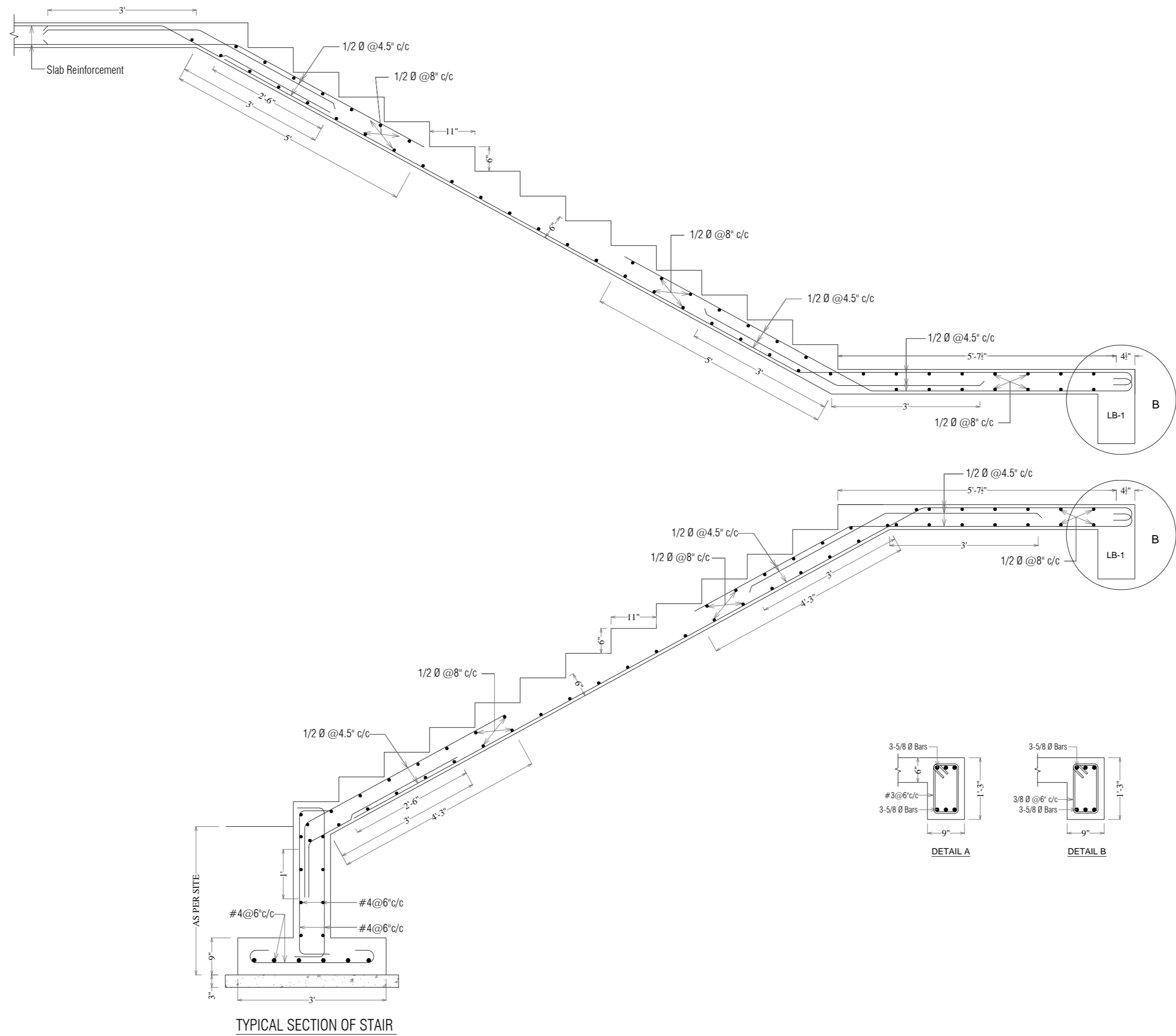
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DRAWN BY:		IKRAM	
DESIGN BY:		ENGR. ZEESHAN	
REVISIONS	DATE		

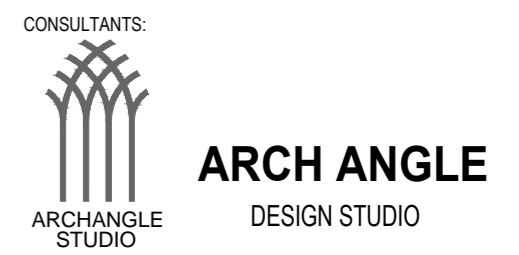
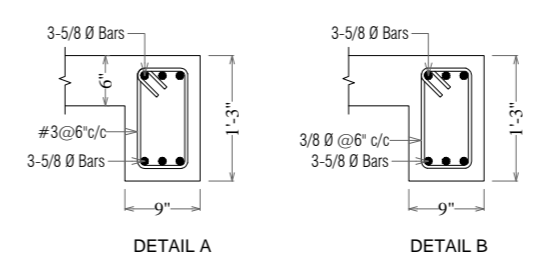
CLINT NAME:		PMDC	
ISSUED FOR:	TYPE OF DRAWING		
CONSTRUCTION DRAWINGS	STRUCTURE		
DATE	SCALE		
29-DEC-2023	NTS		

DESIGN BY:		
TITLE		2ND FLOOR SLAB PLAN TOP LAYER
REVISION	DWG No.	
00	Str- 13	

PROJECT
**PMDC APARTMENTS
(WARCHA SALT MINES)**



TYPICAL SECTION OF STAIR



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DRAWN BY: IKRAM	
DESIGN BY: ENGR. ZEESHAN	
REVISIONS	DATE

CLINT NAME: PMDC	
ISSUED FOR: CONSTRUCTION DRAWINGS	TYPE OF DRAWING STRUCTURE
DATE 29-DEC-2023	SCALE NTS

DESIGN BY:	
TITLE TYP. DETAIL OF STAIR	
REVISION 00	DWG No. Str- 14

PROJECT
PMDC APARTMENTS (WARCHA SALT MINES)